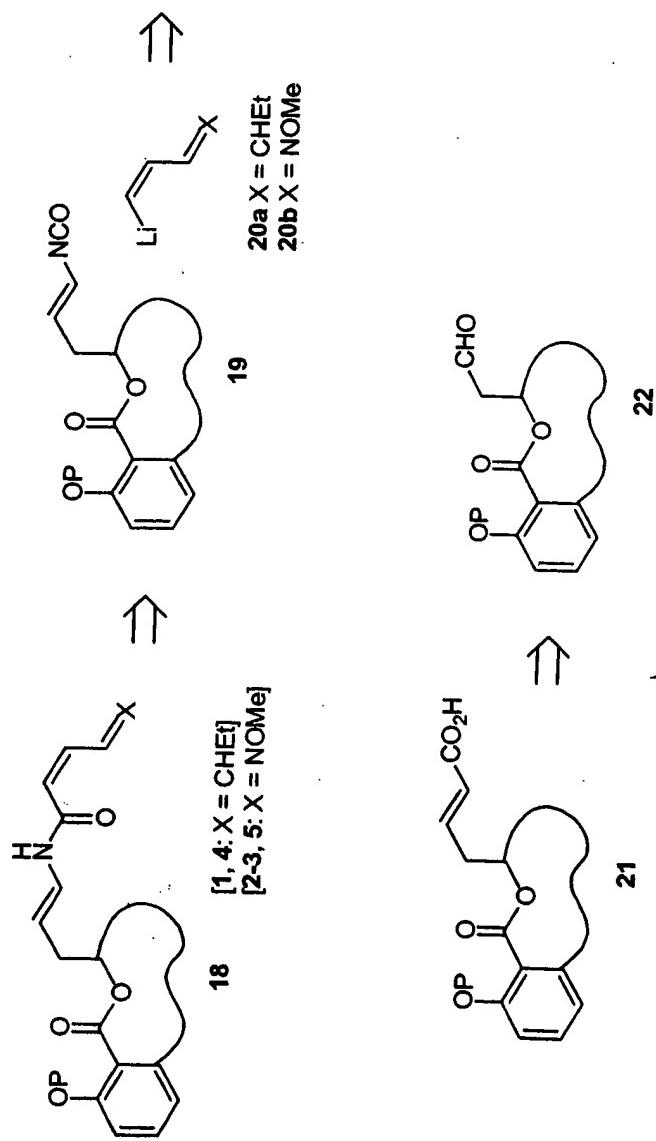


Fig. 1

Fig. 2



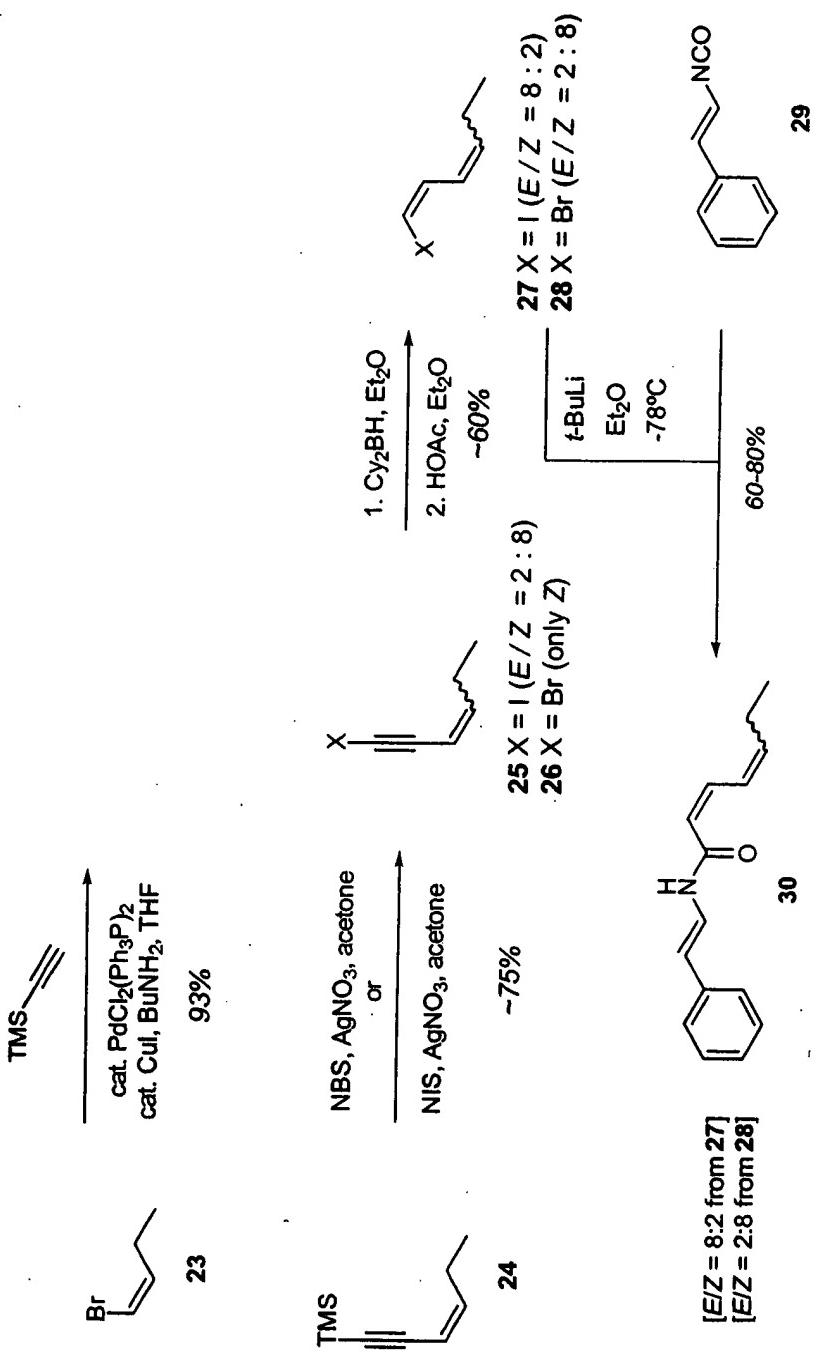


Fig. 3

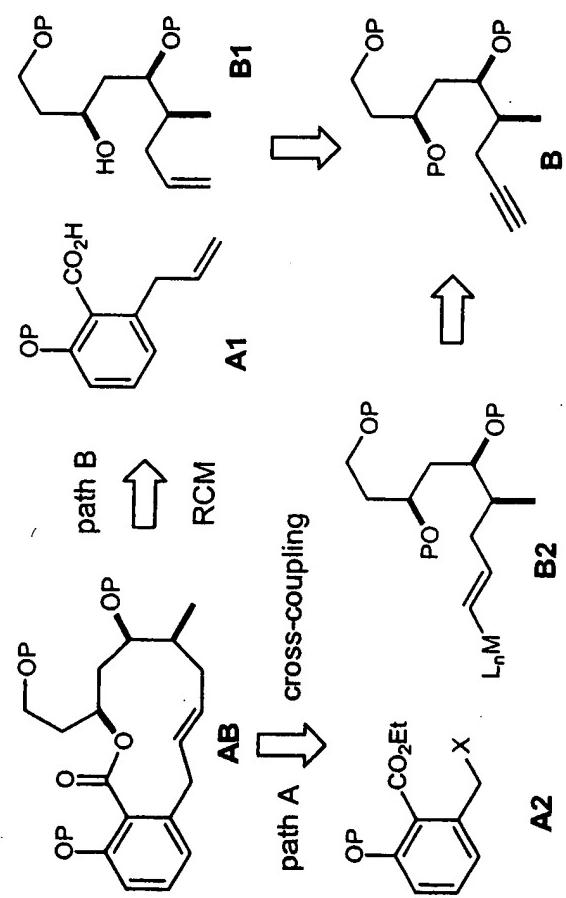


Fig. 4

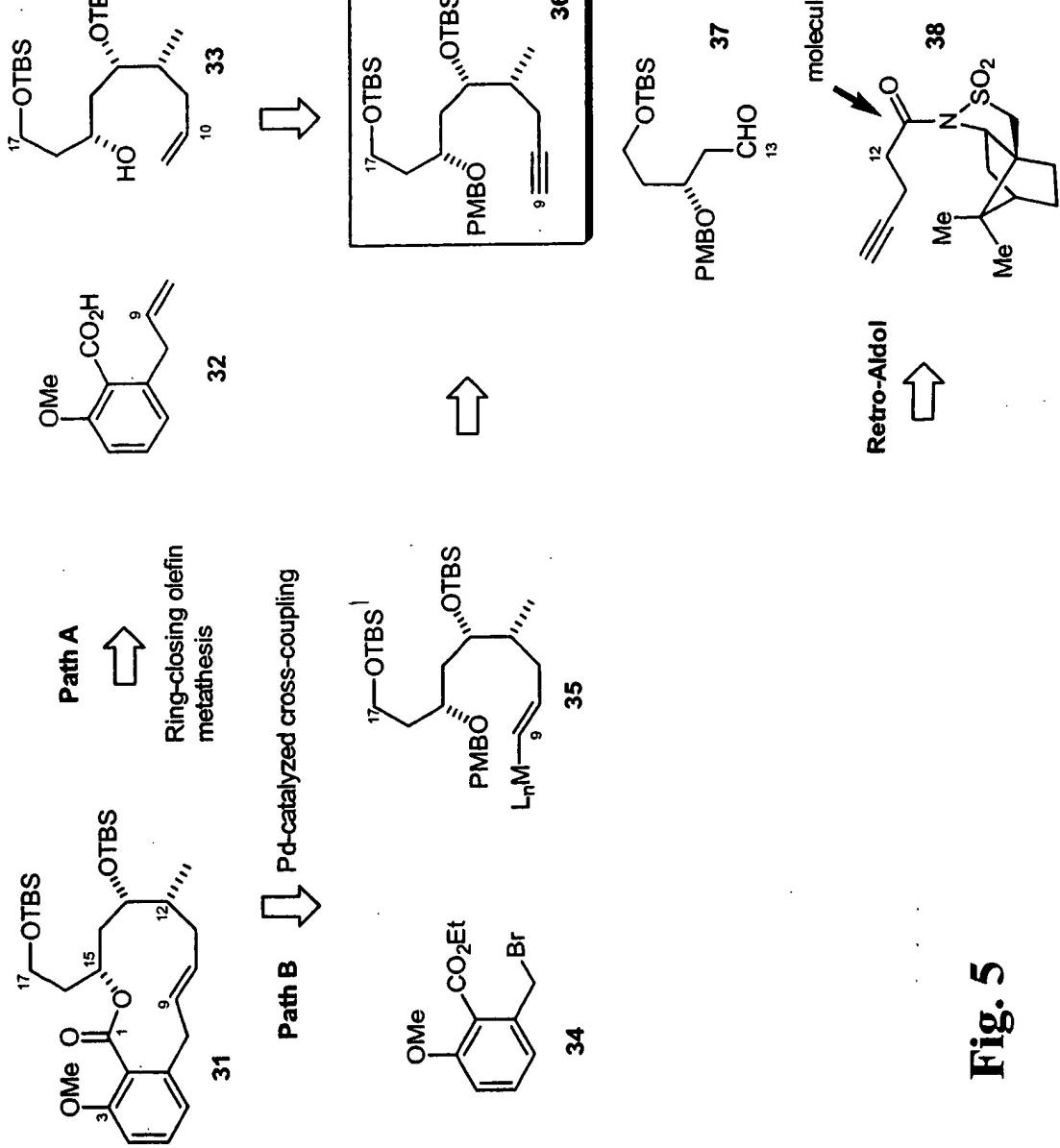


Fig. 5

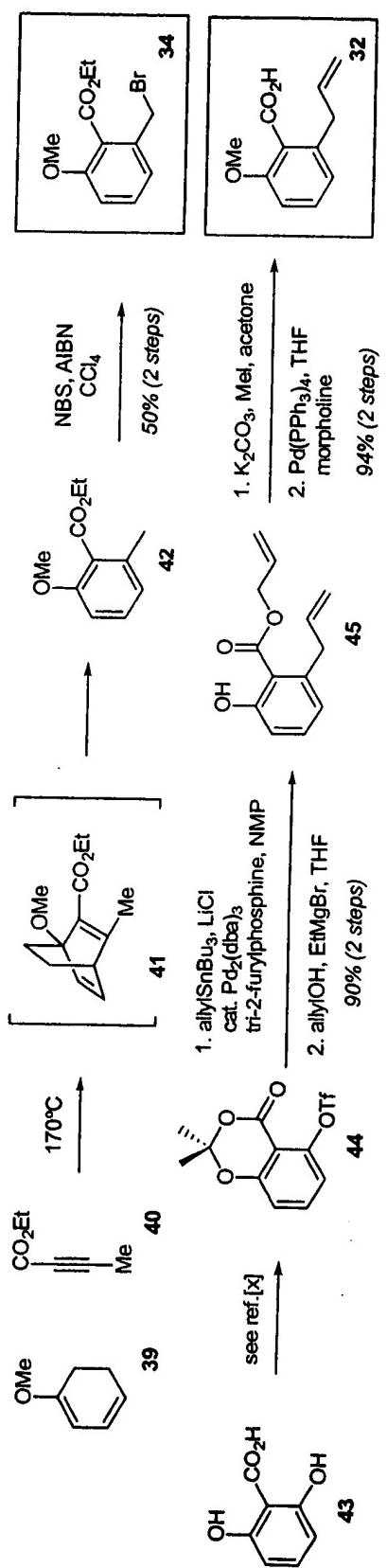


Fig. 6

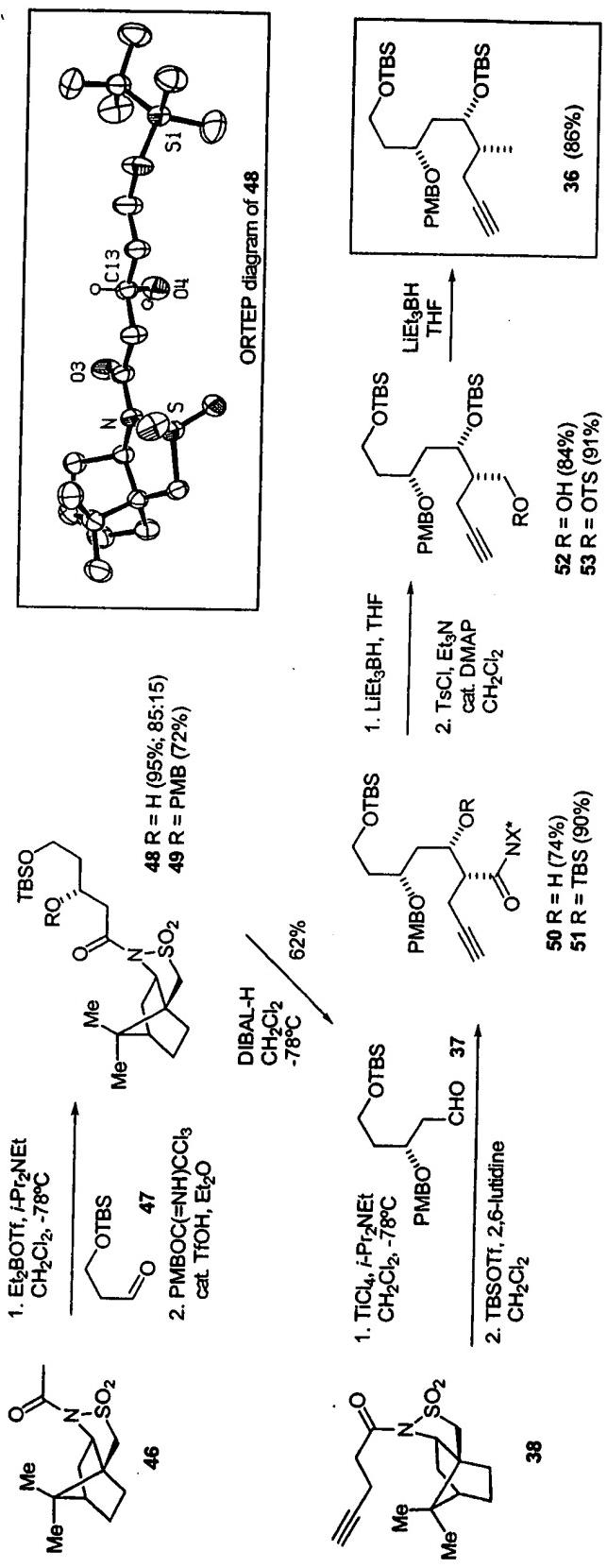


Fig. 7

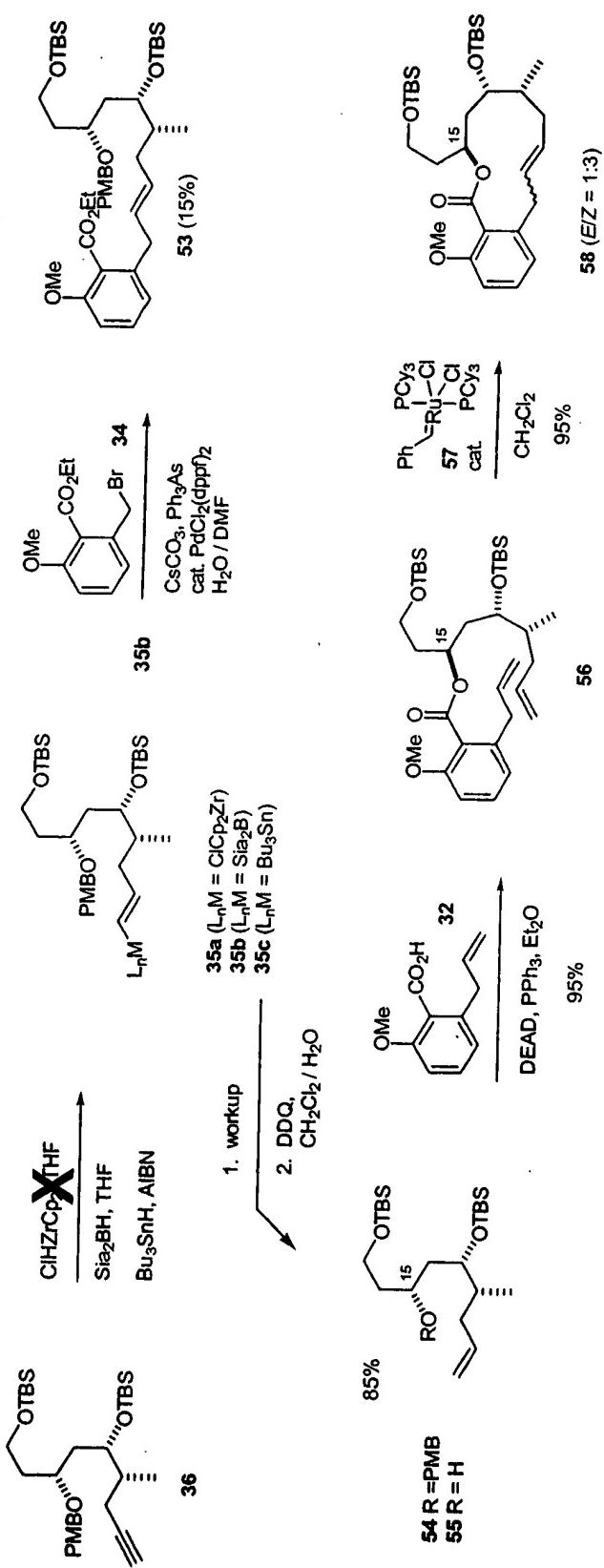
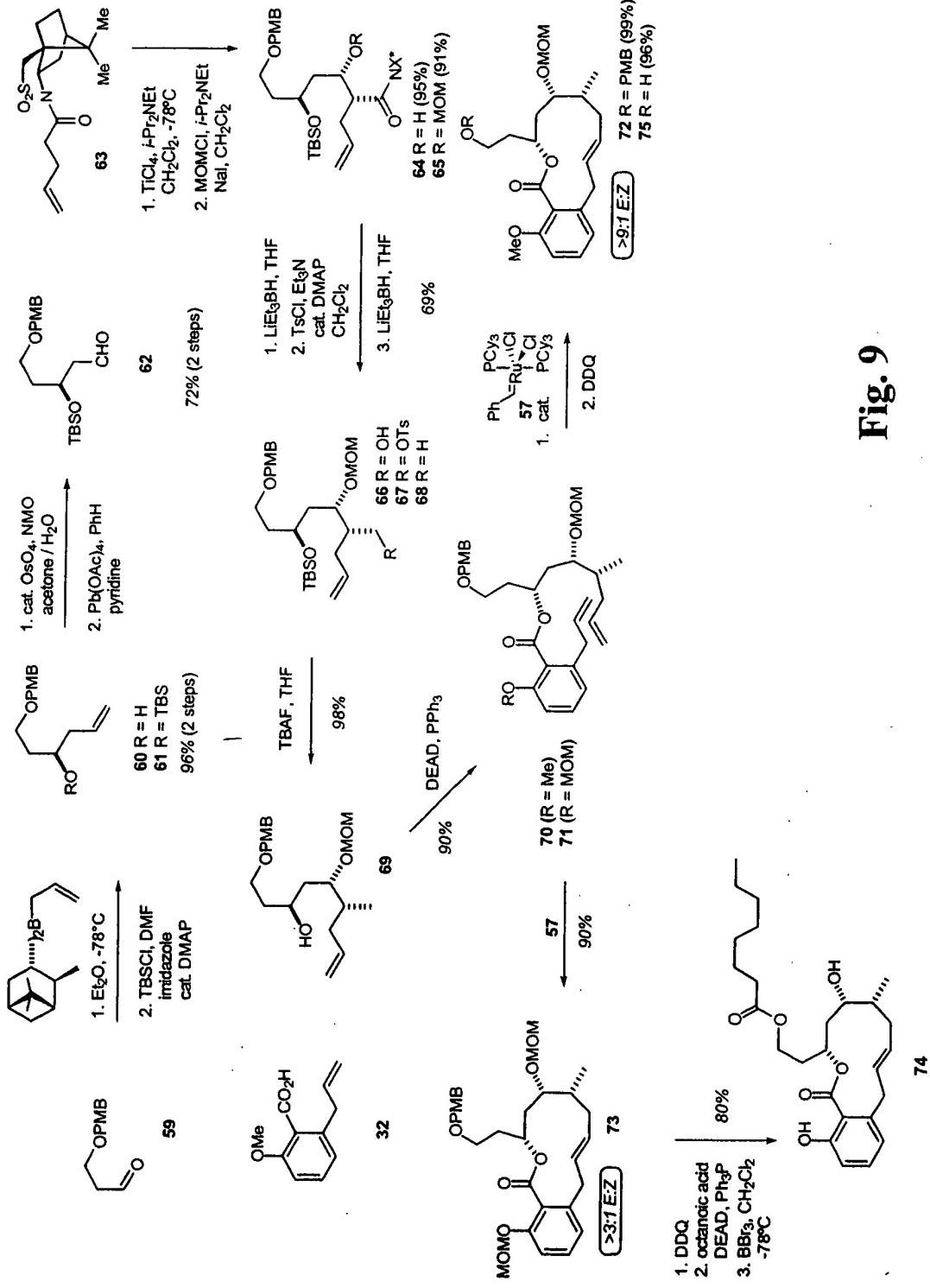


Fig. 8



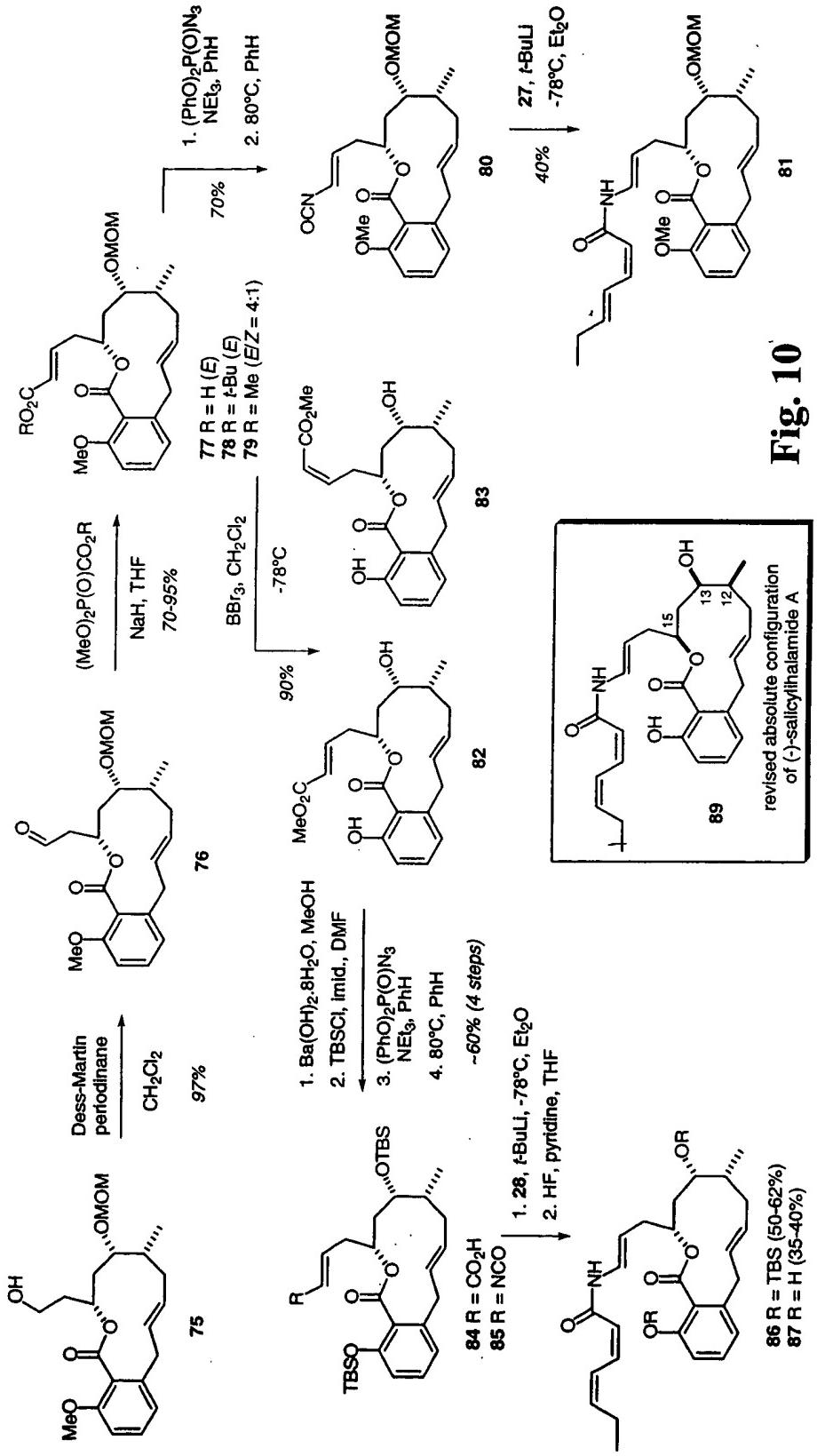
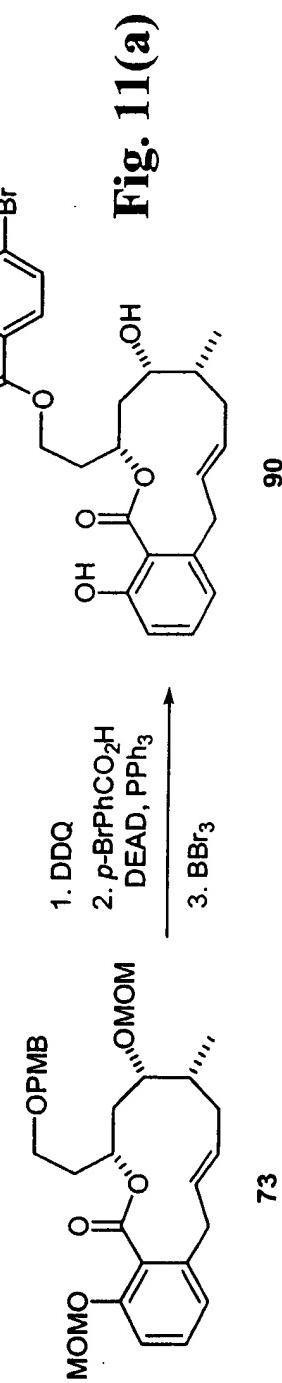
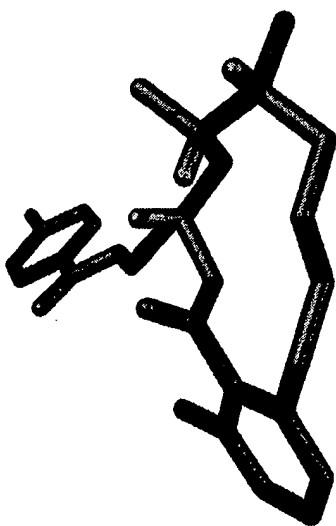


Fig. 10

Fig. 11(b)



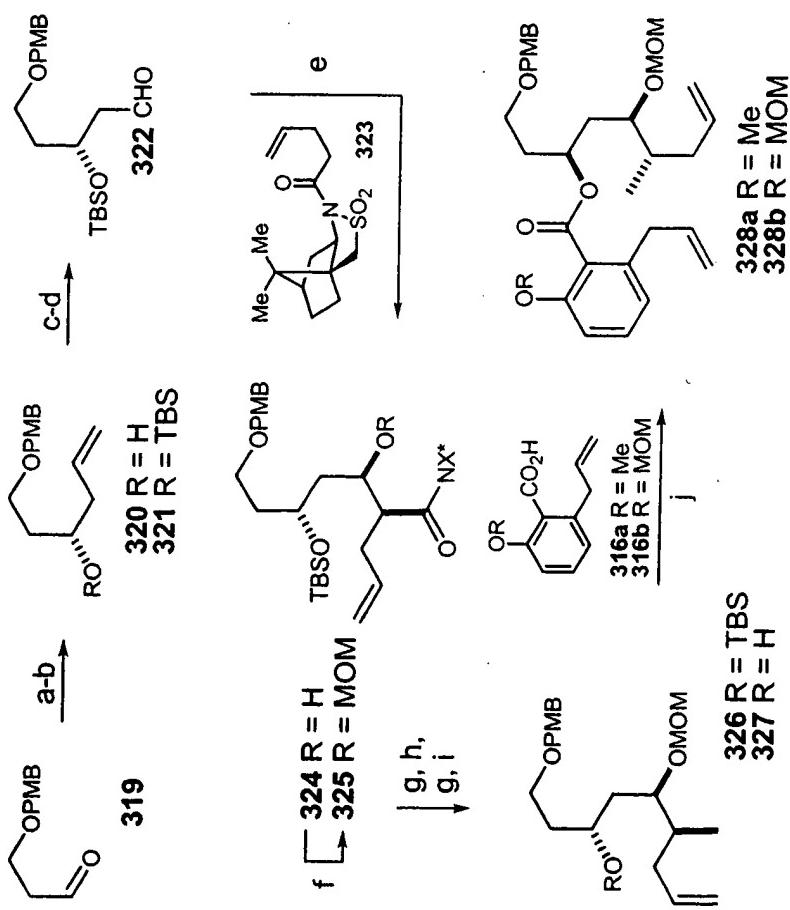


Fig. 12

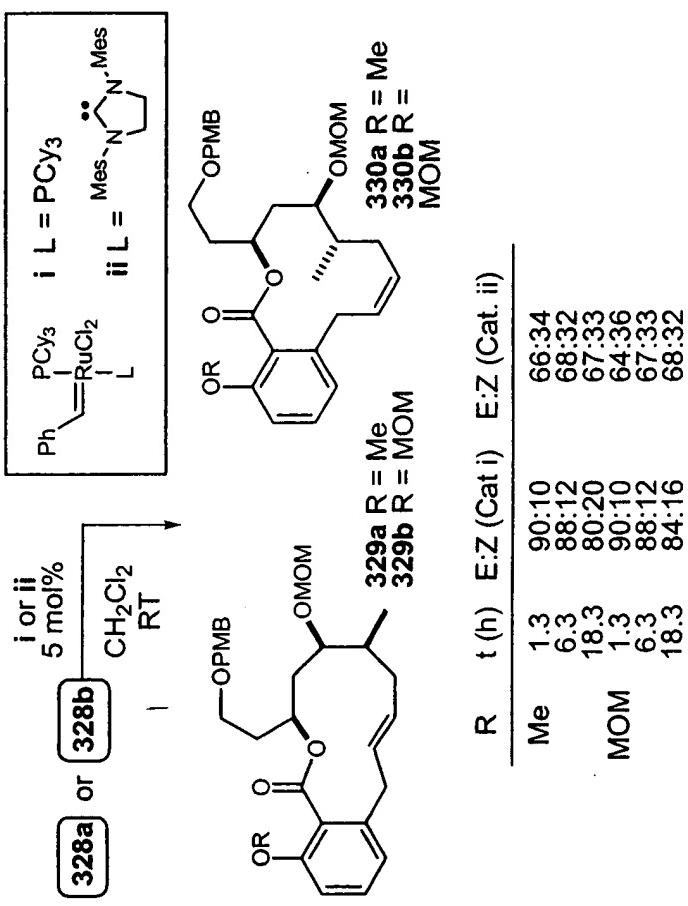


Fig. 13

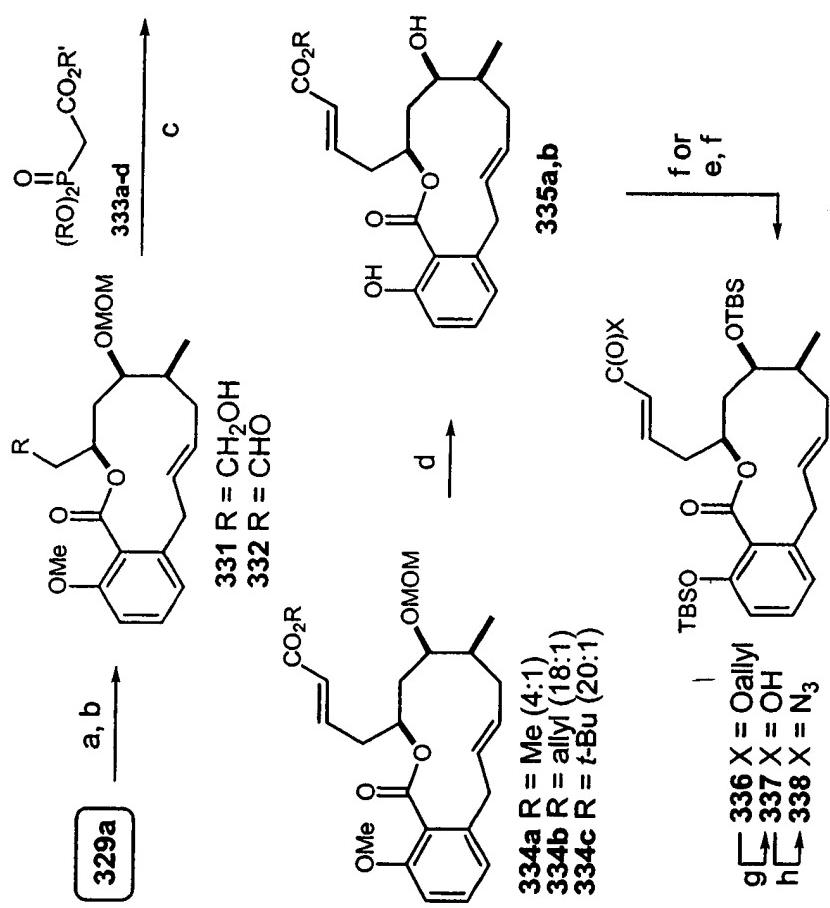
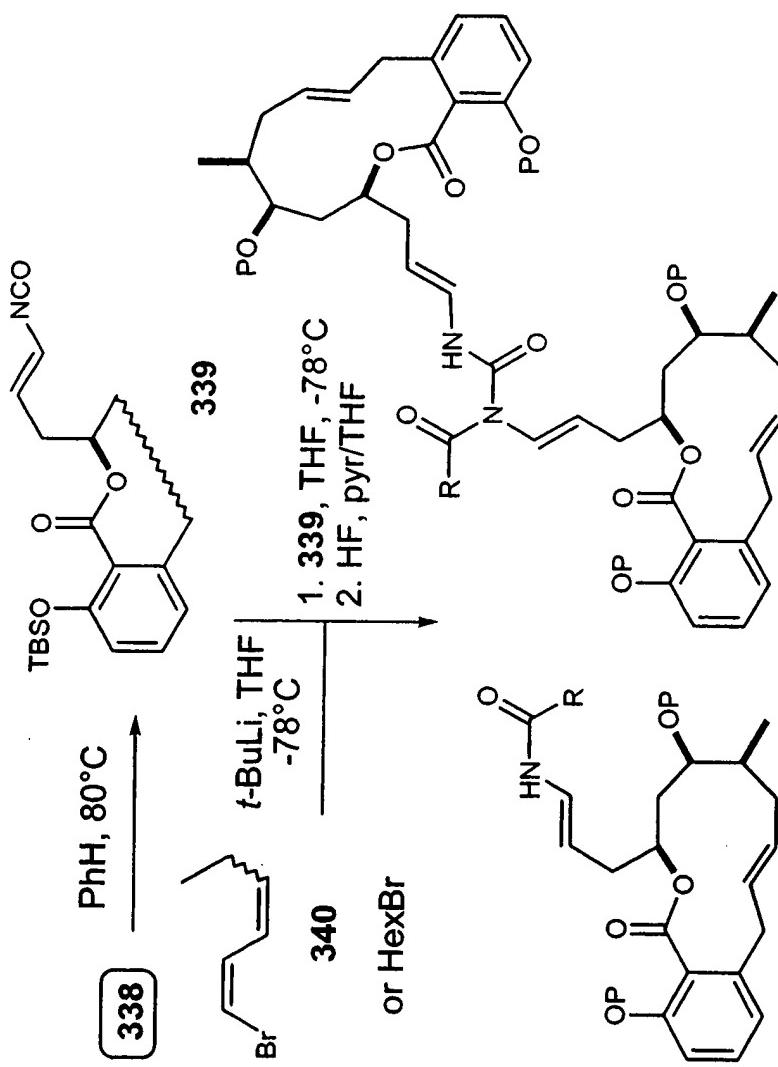


Fig. 14



- 341 R = Z,ZE-hexadienyl, P = TBS
 (-)-301a R = Z,Z-hexadienyl, P = H
 (-)-301c R = Z,E-hexadienyl, P = H
 346 R = hexyl, P = H
- 342 R = Z,ZE-hexadienyl, P = TBS
 343 R = Z,Z-hexadienyl, P = H
 344 R = Z,E-hexadienyl, P = H
 345 R = hexyl, P = H

Fig. 15

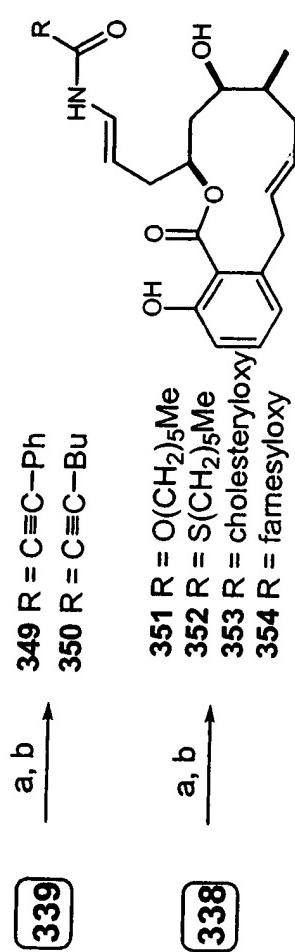


Fig. 16

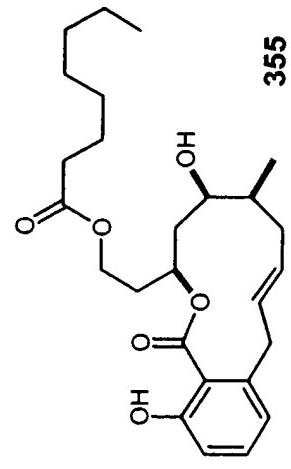


Fig. 17

1. DDQ
2. PPh_3 , DEAD
 $p\text{-BrPhCO}_2\text{H}$
3. BBr_3

329a,b

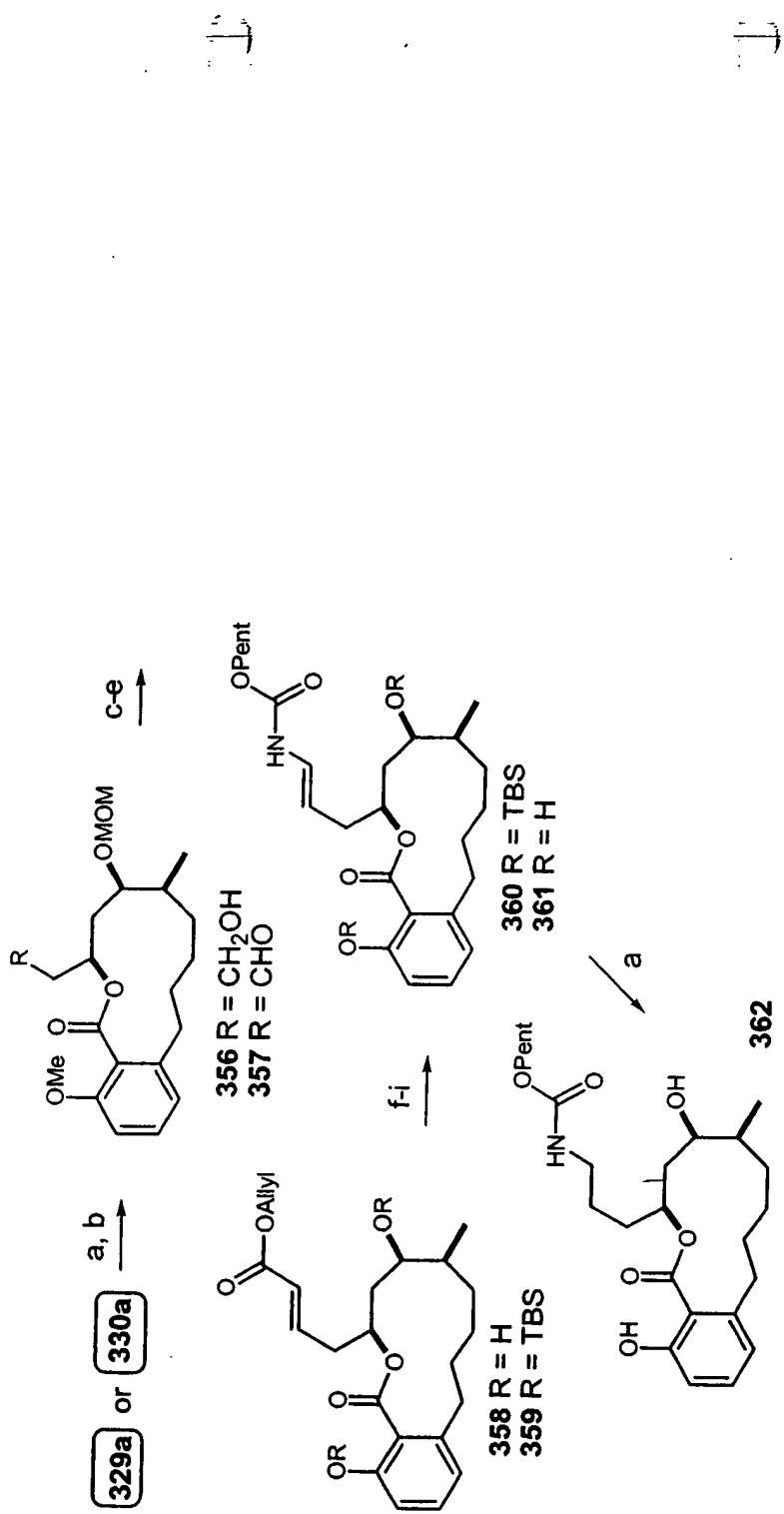


Fig. 18

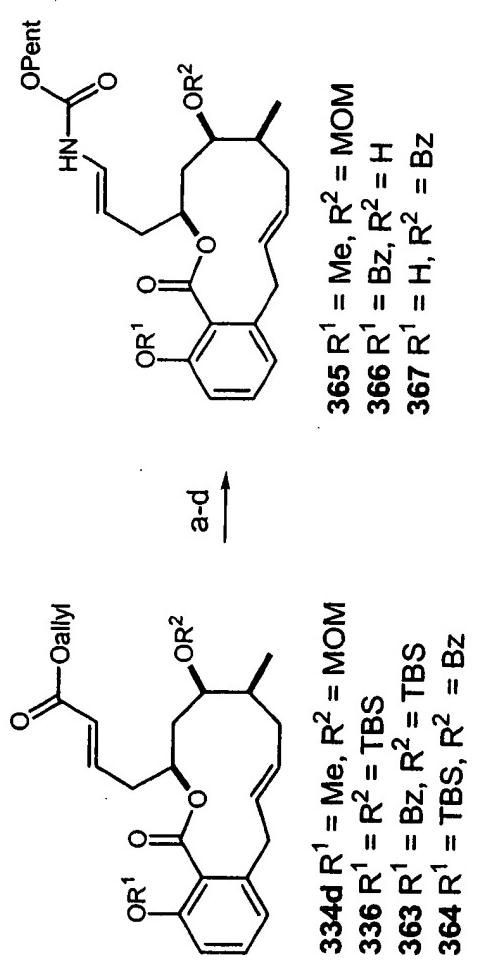


Fig. 19

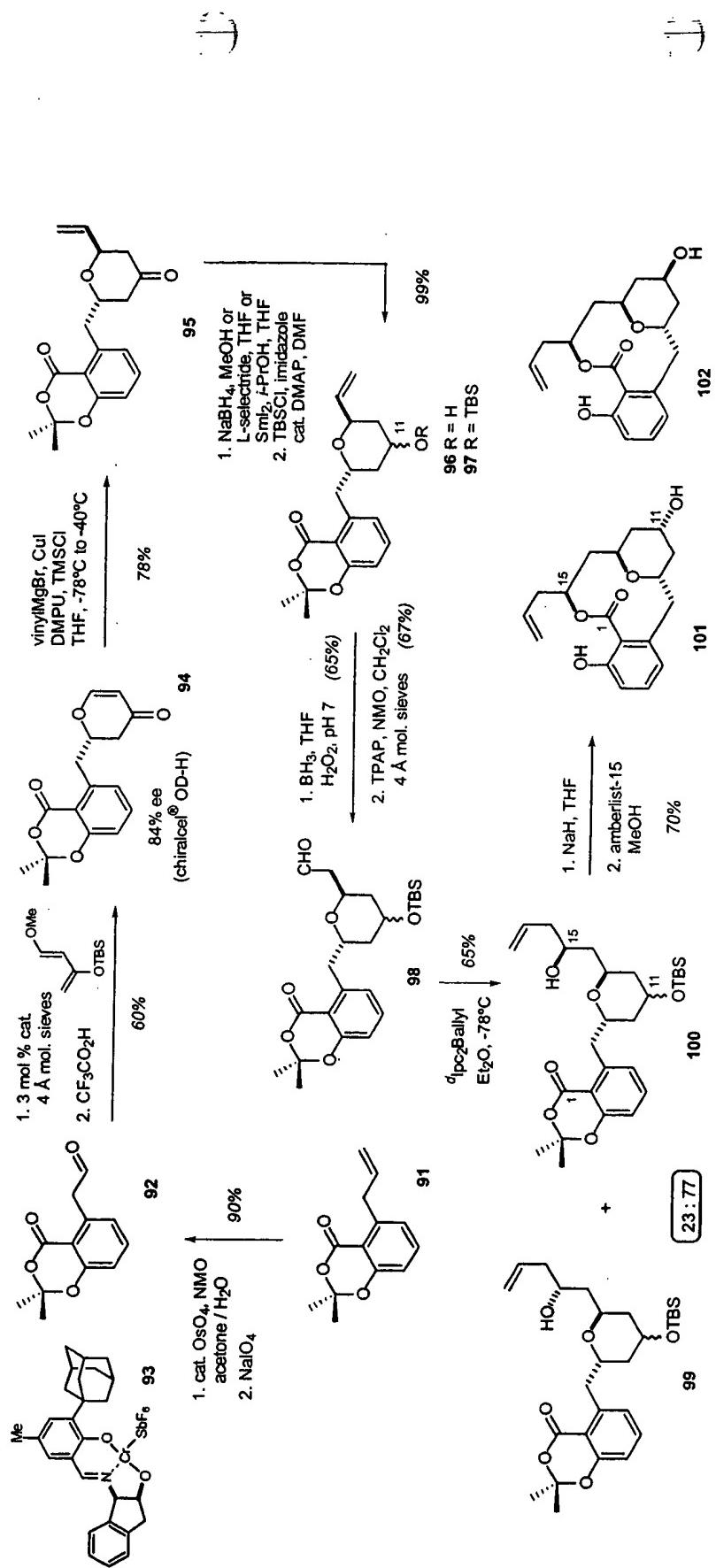


Fig. 20

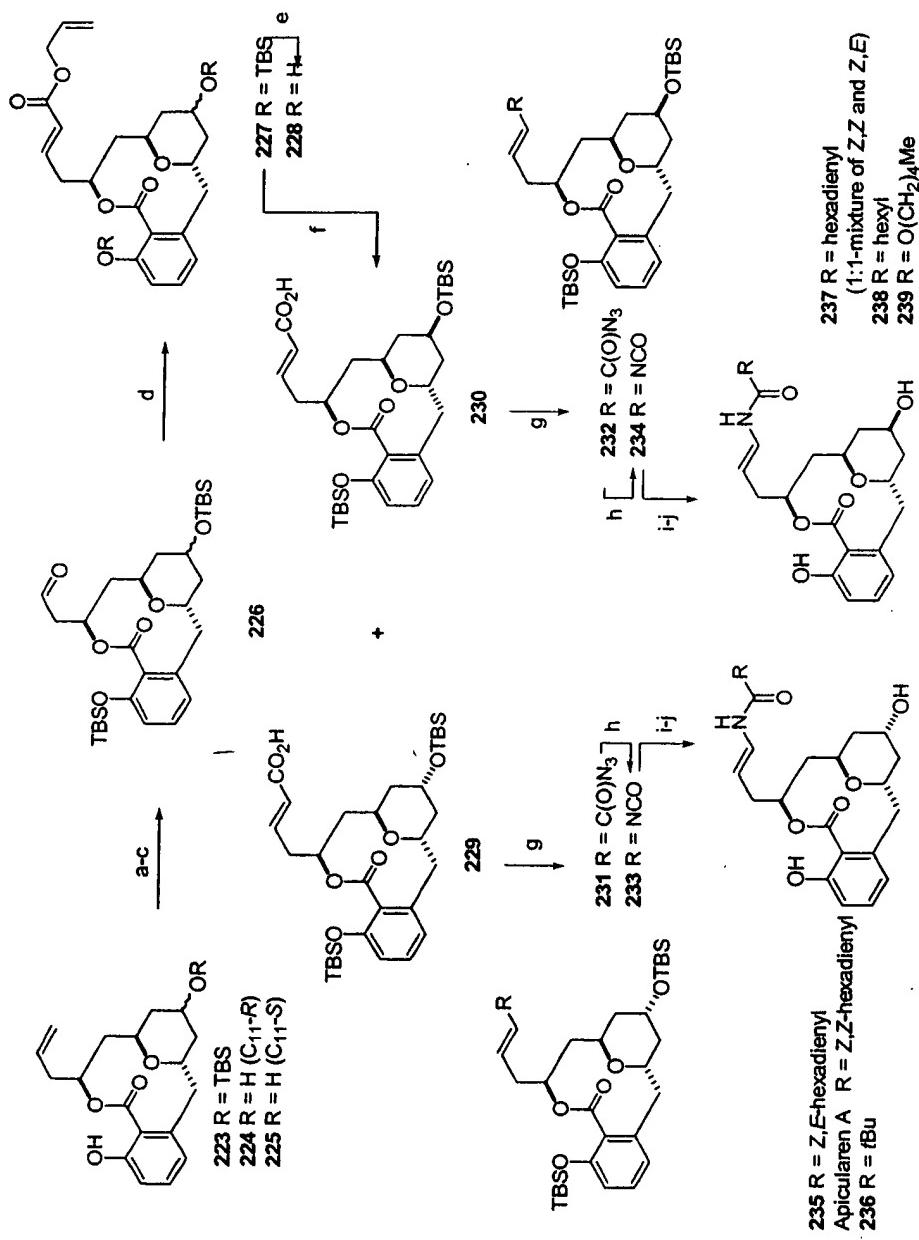
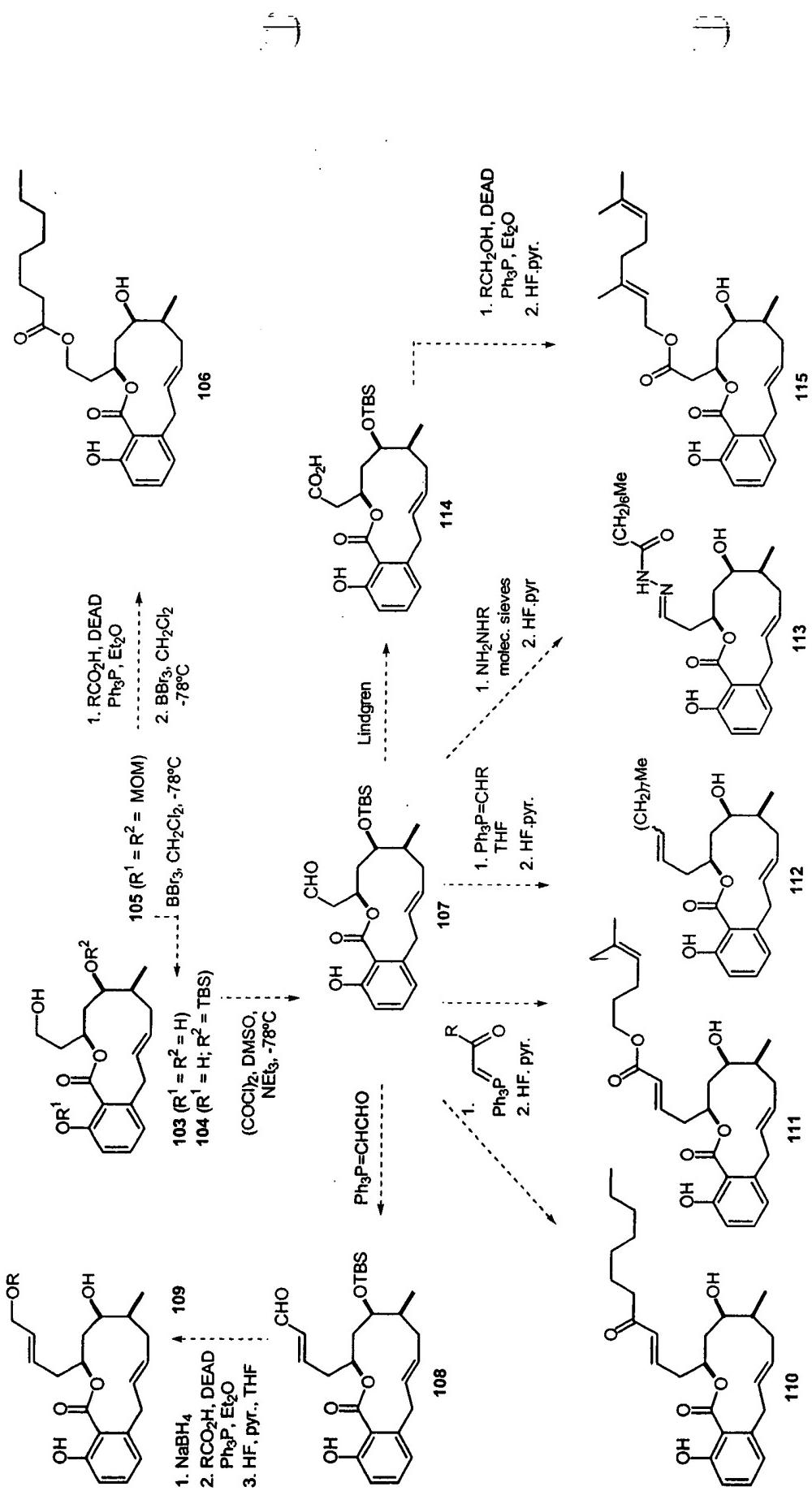


Fig. 21



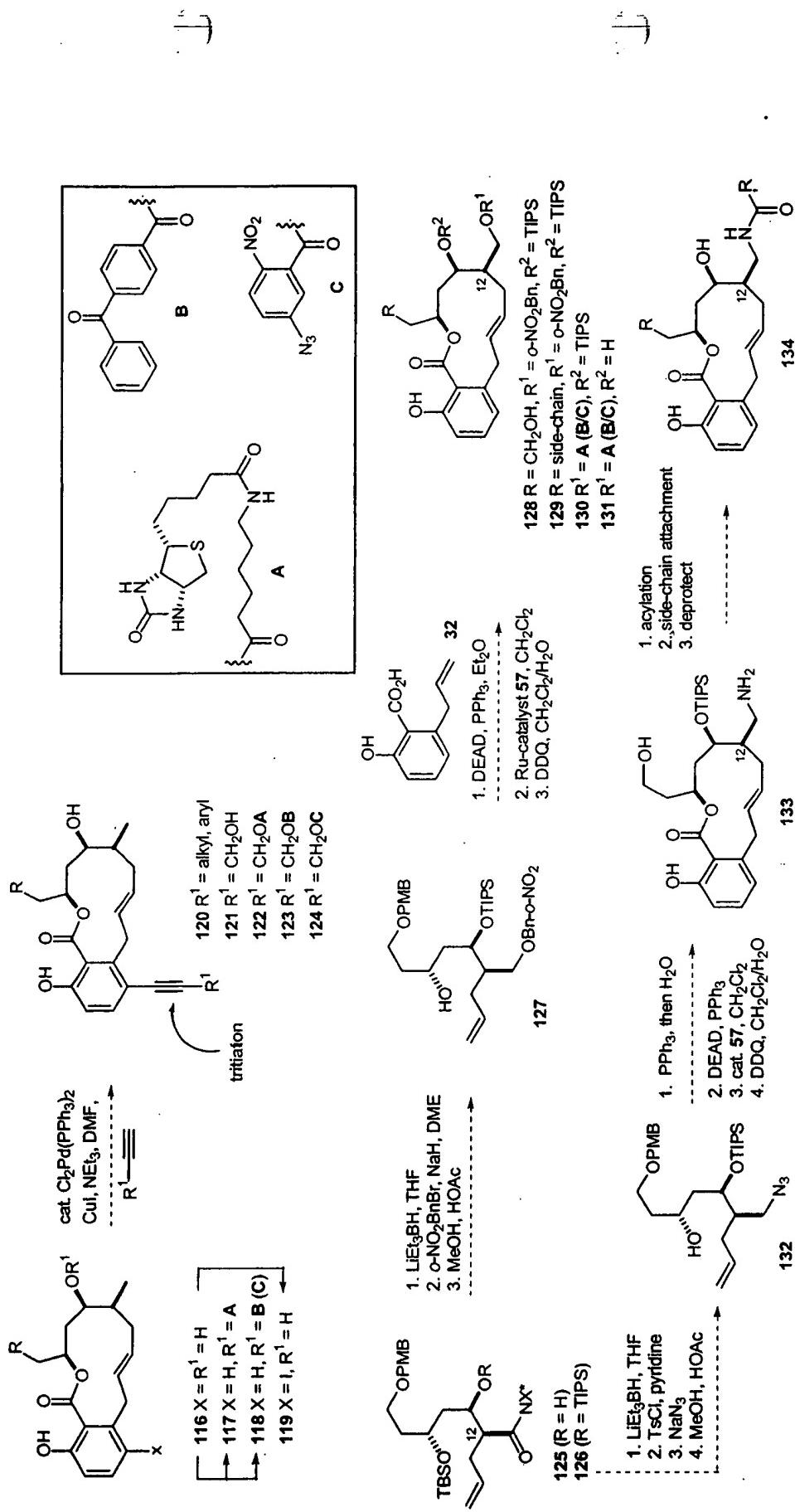


Fig. 23

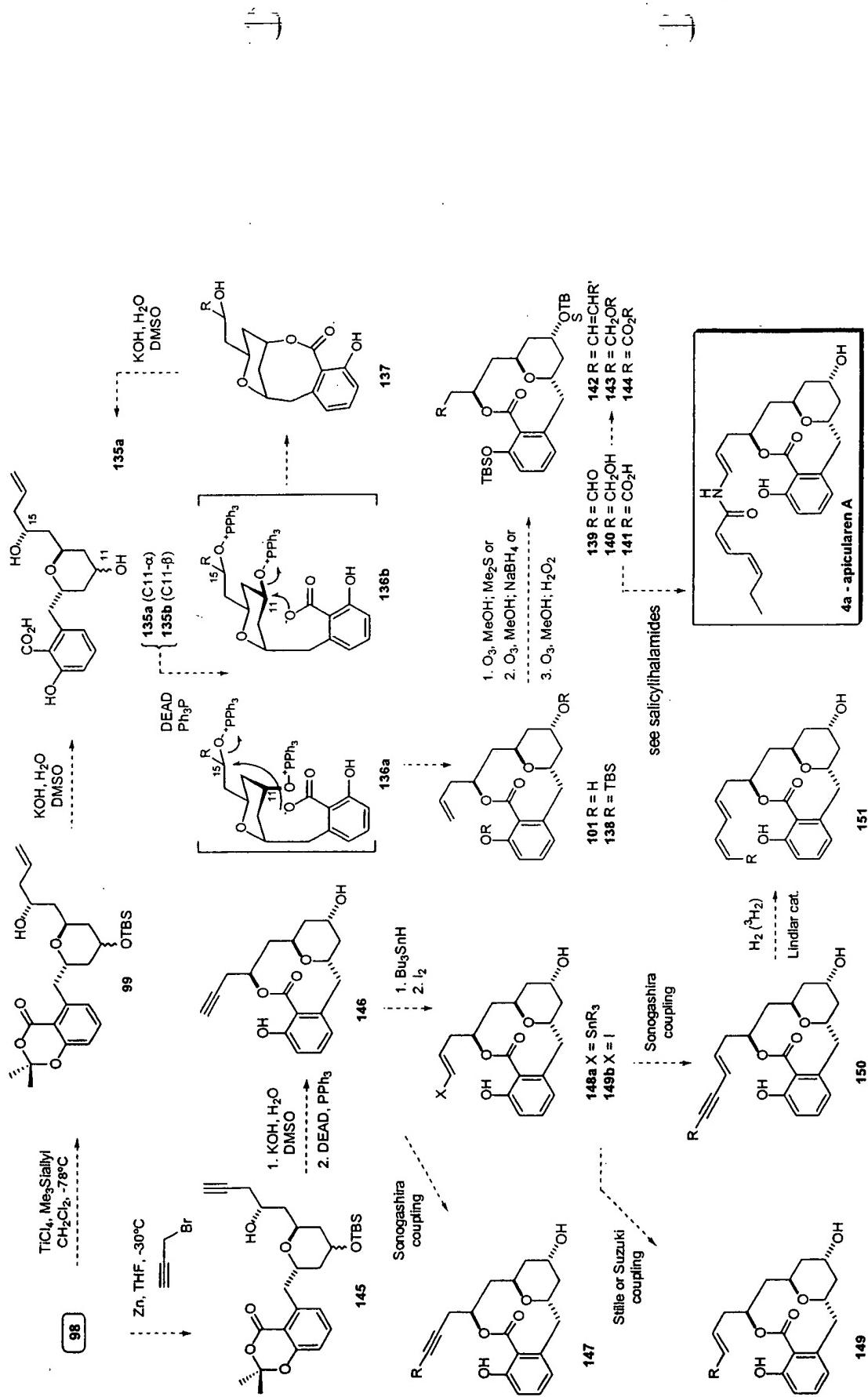


Fig. 24

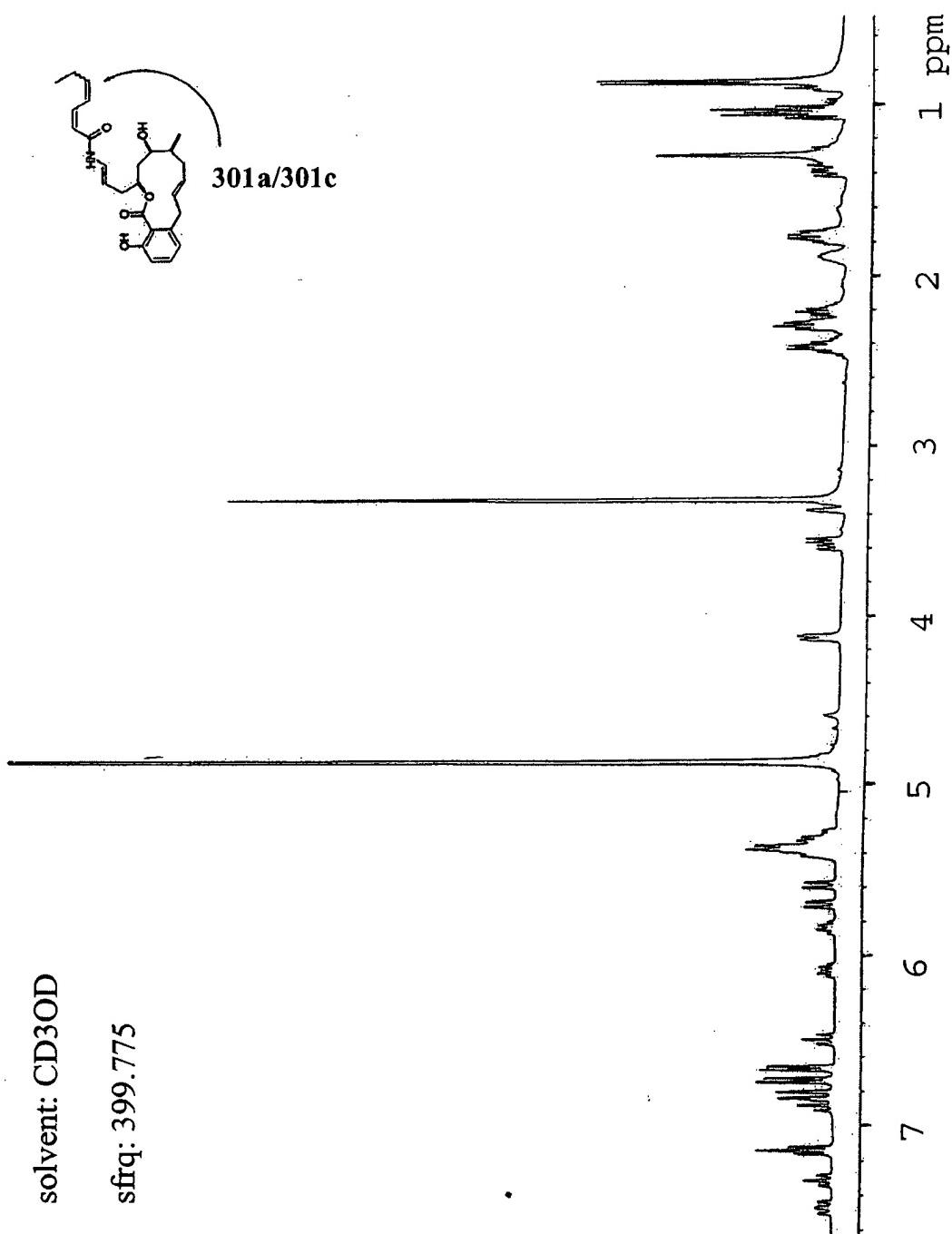


Fig. 25

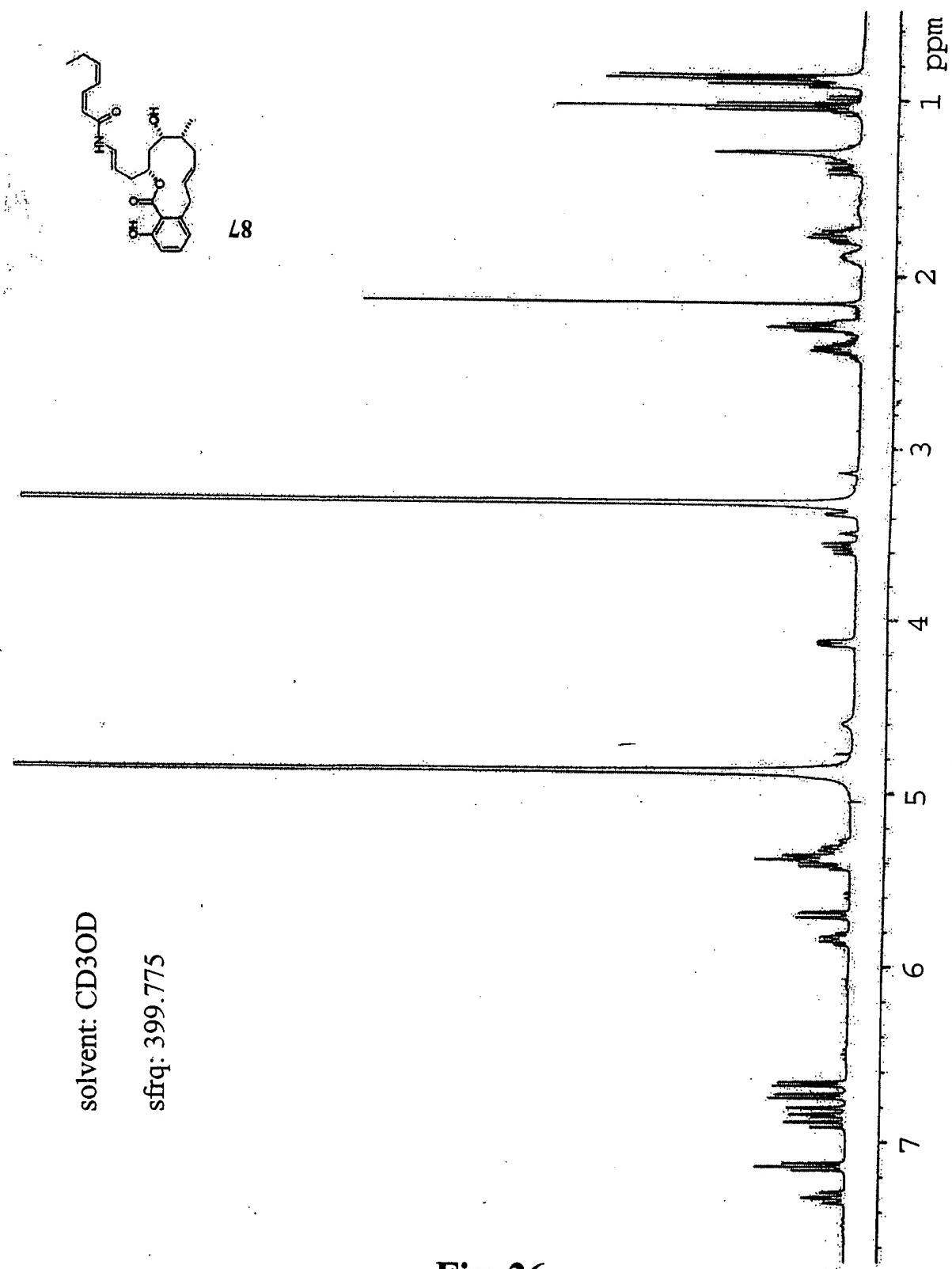


Fig. 26

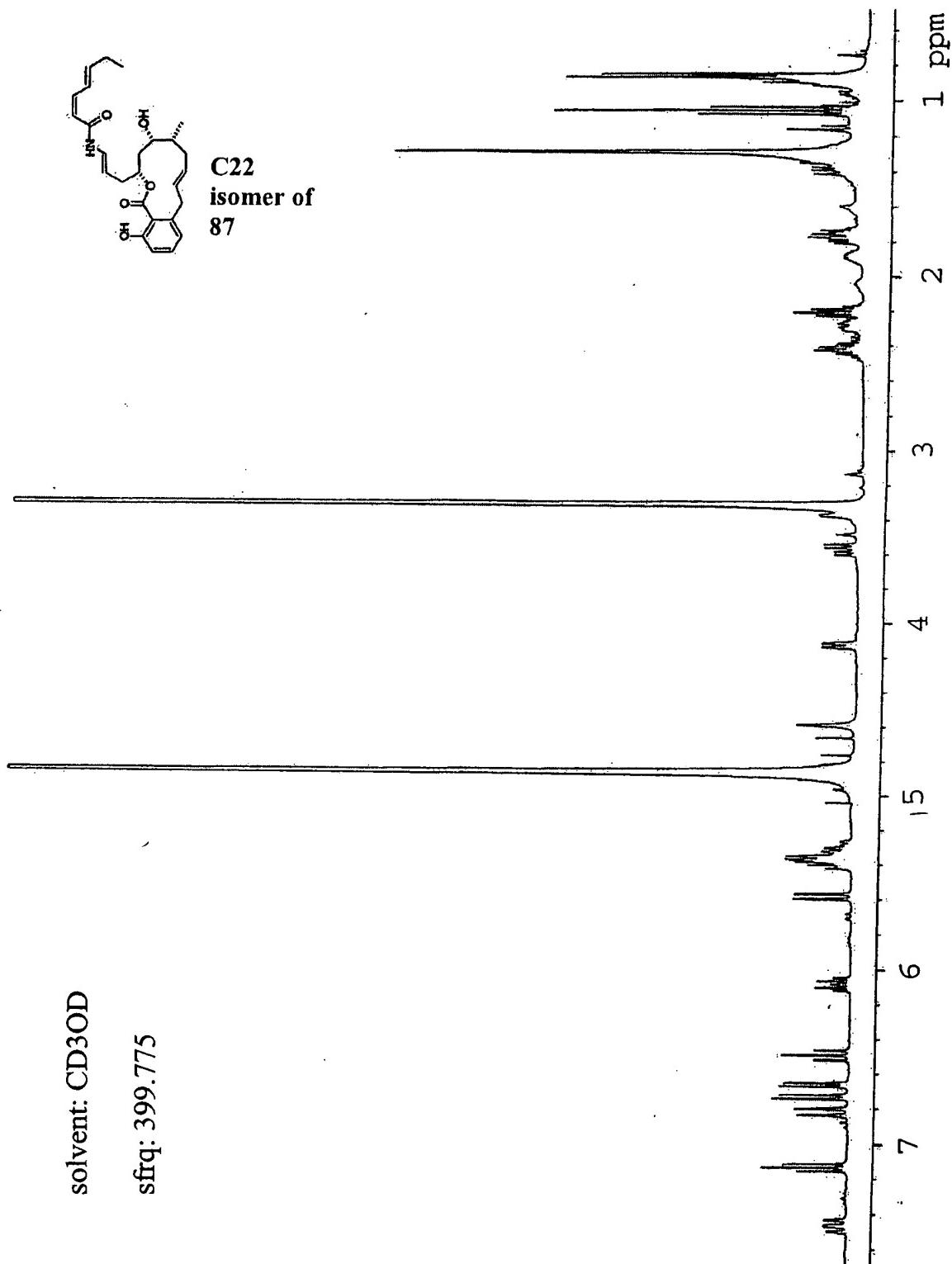
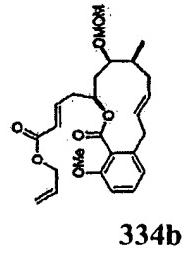


Fig. 27



solvent: CD₃OD

sfrq: 399.775

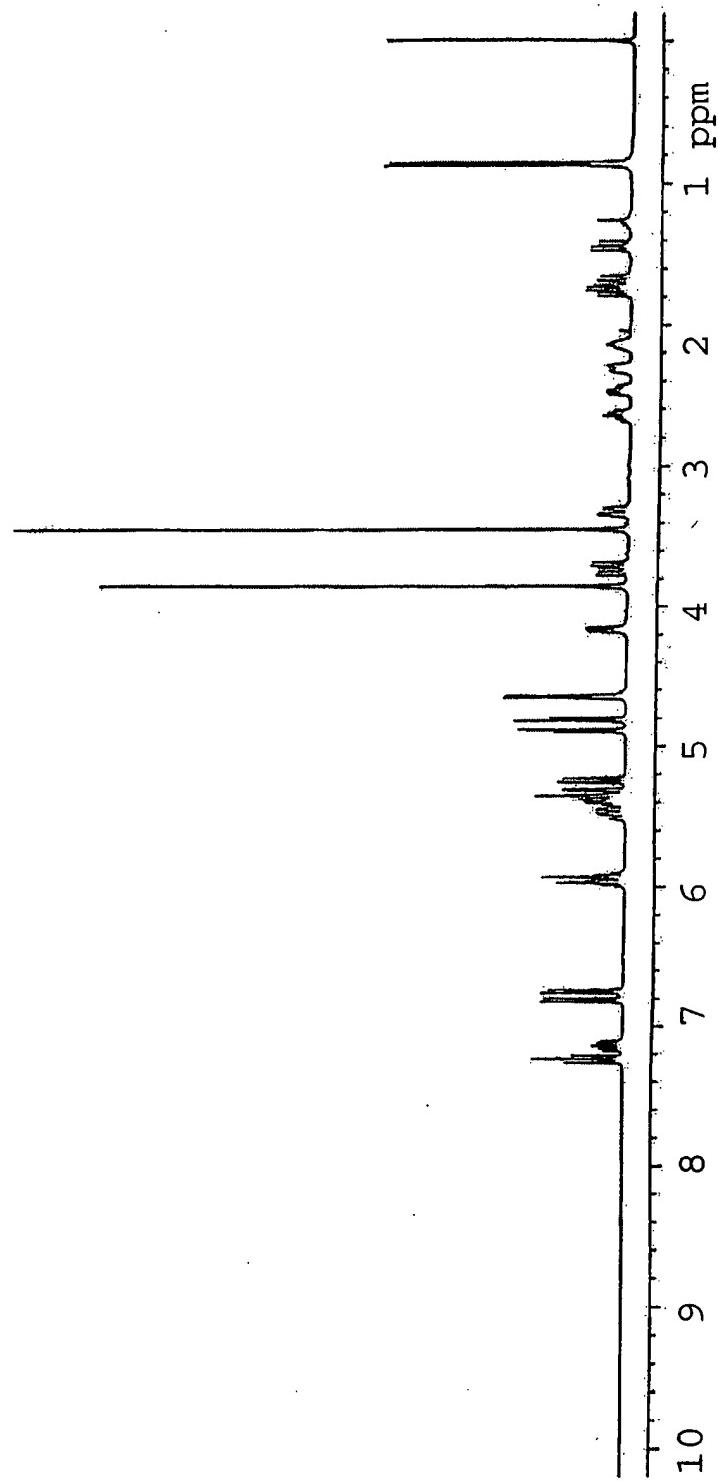


Fig. 28

solvent: CD₃OD

sfrq: 399.775

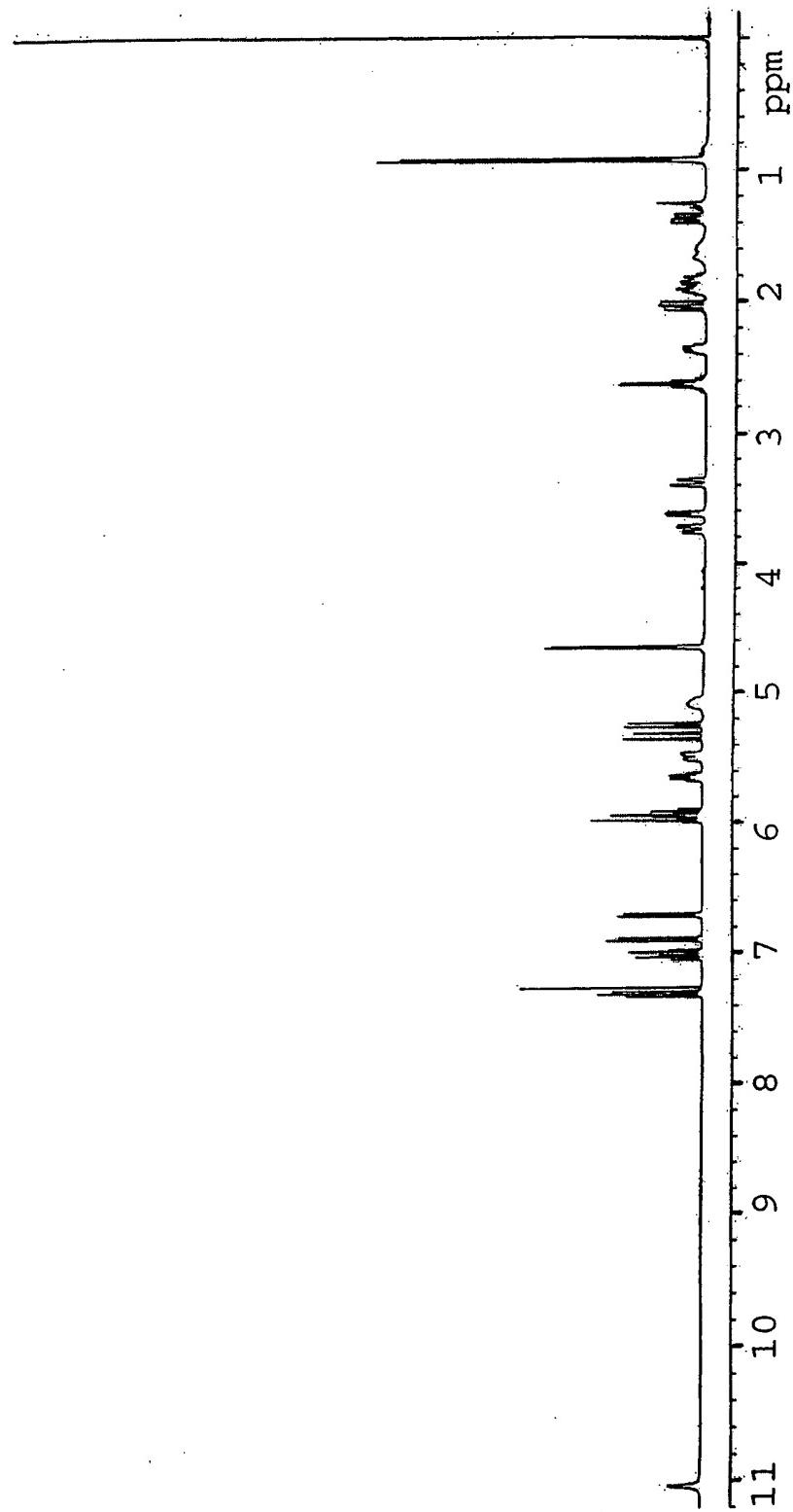
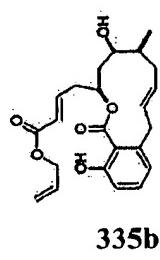


Fig. 29

solvent: CD3OD

sfrq: 399.775

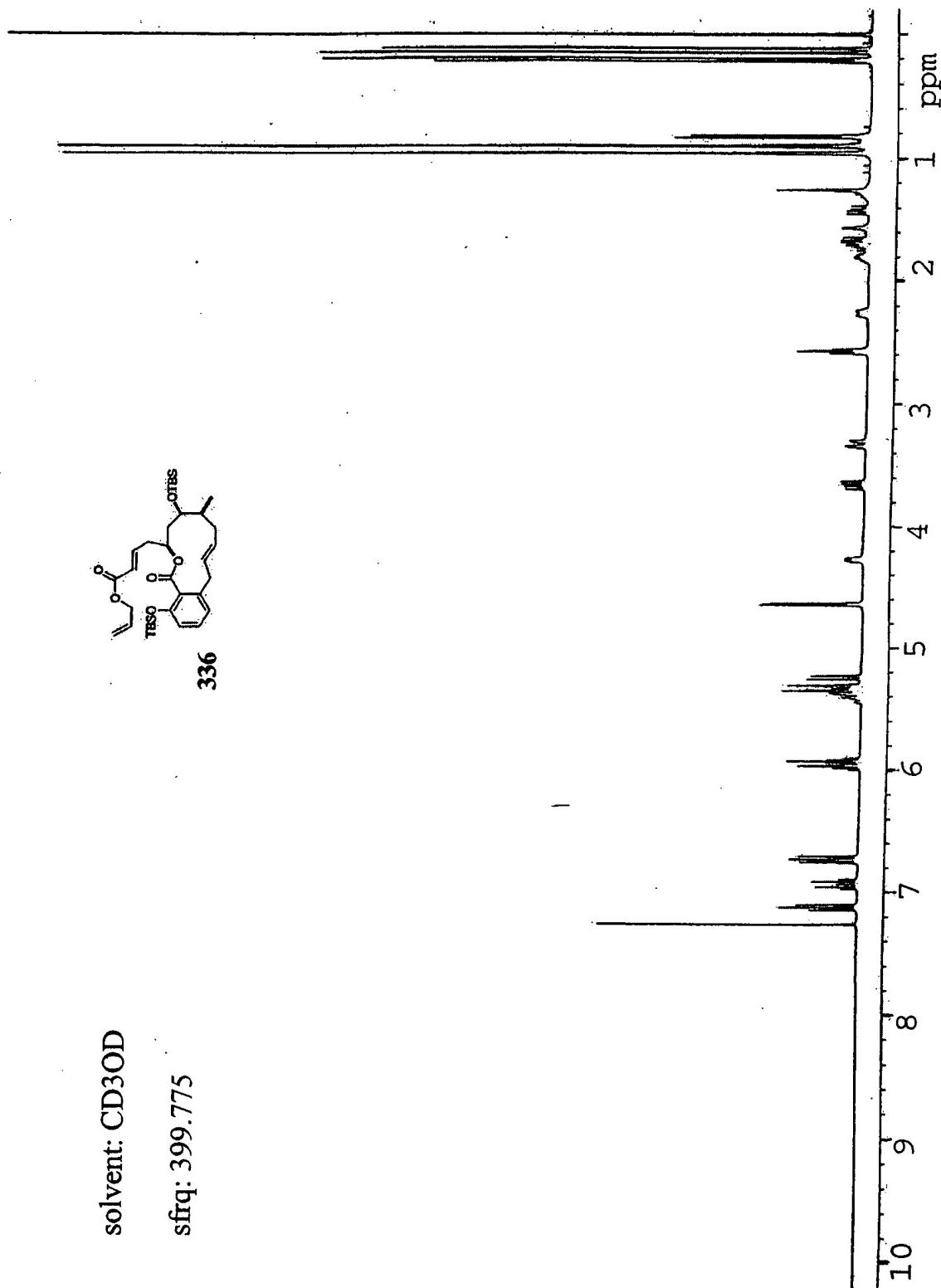
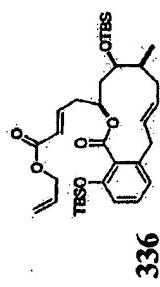


Fig. 30

solvent: CD3OD

sfrq: 399.773

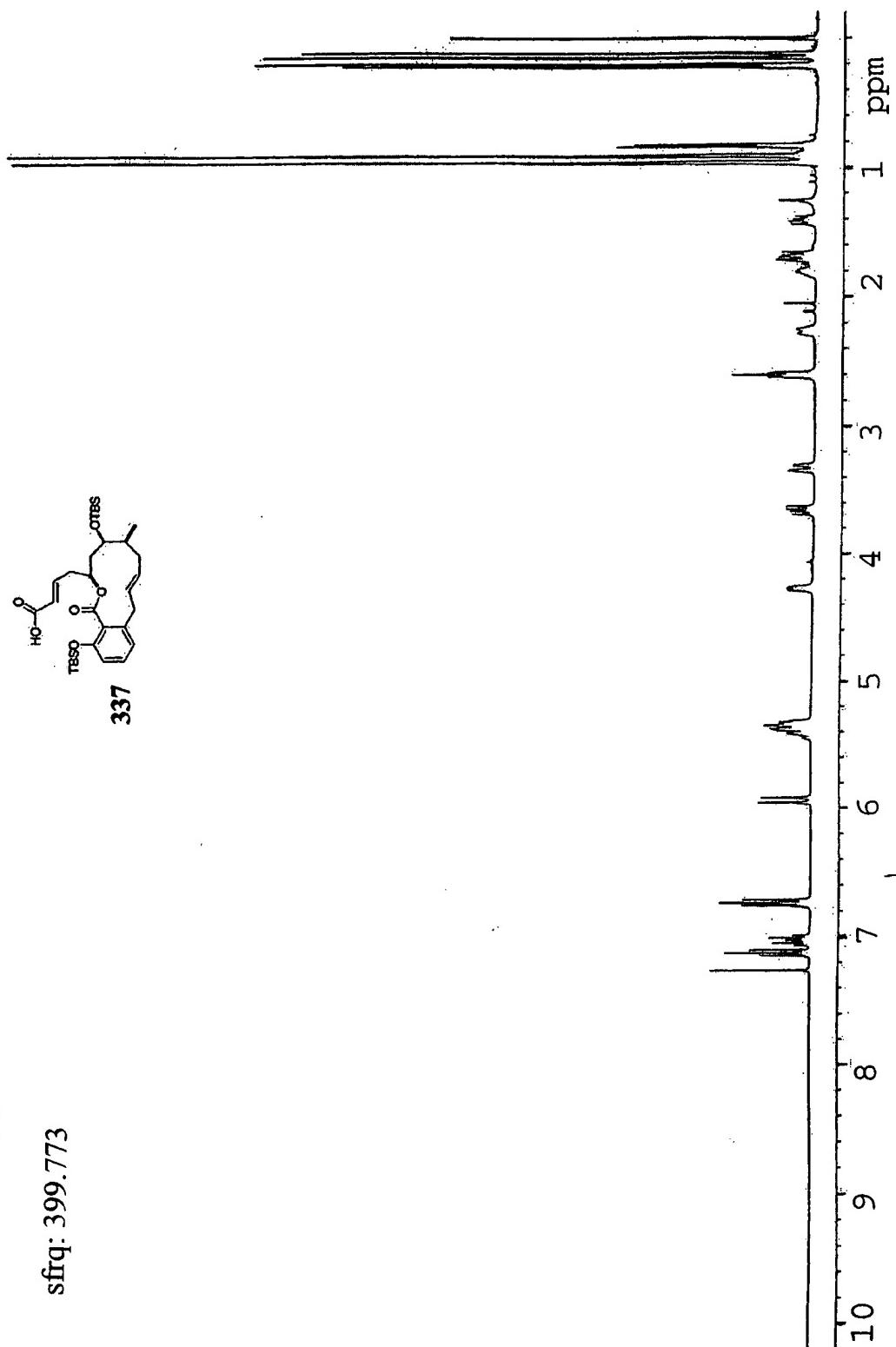
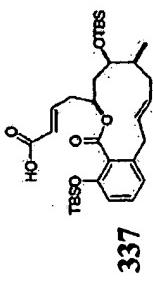


Fig. 31

solvent: CD₃OD

sfrq: 399.775

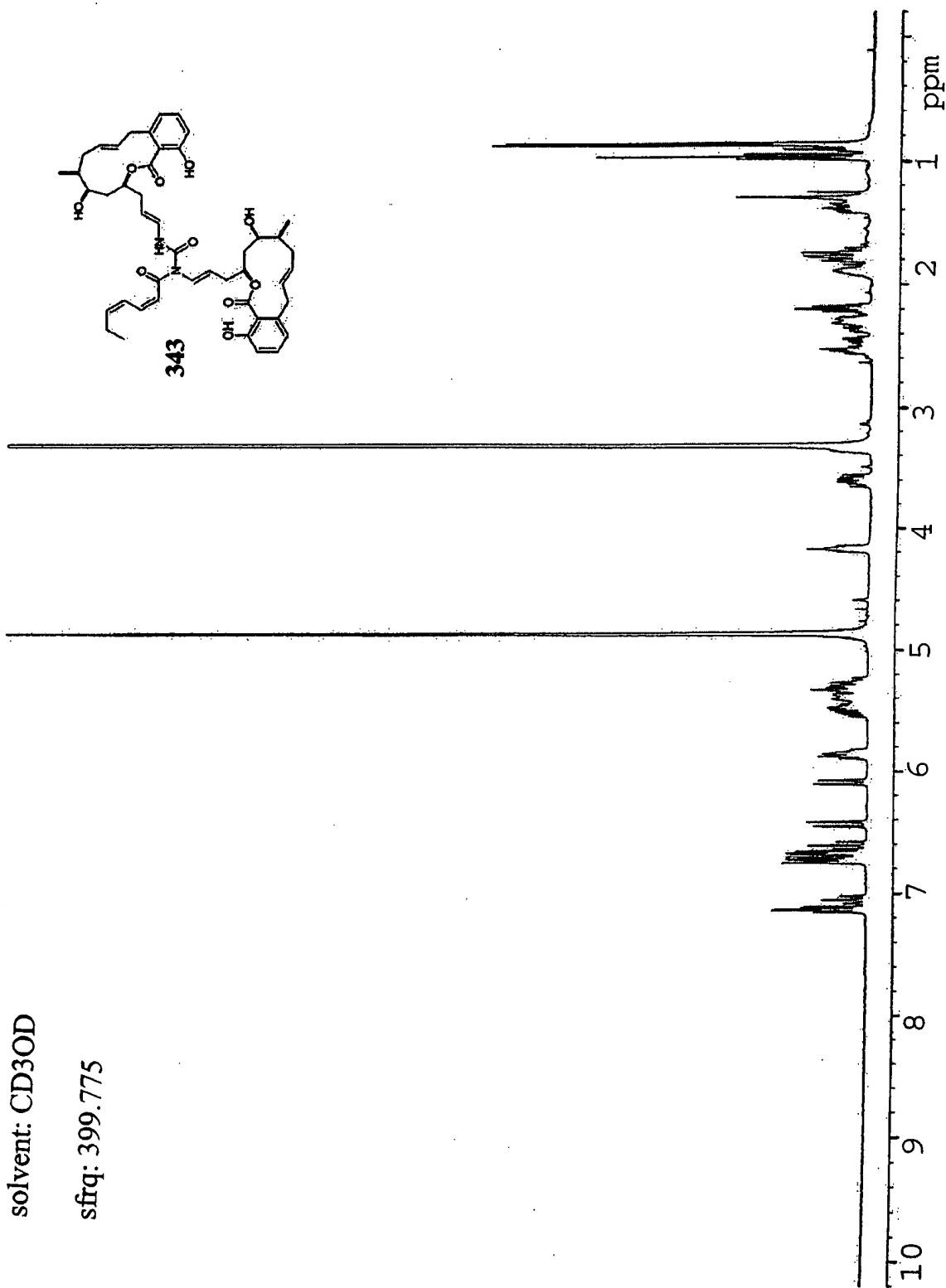
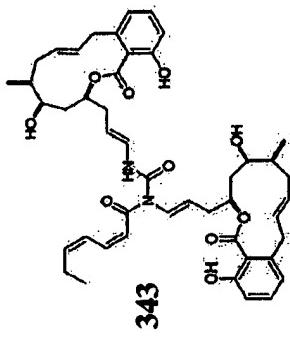


Fig. 32

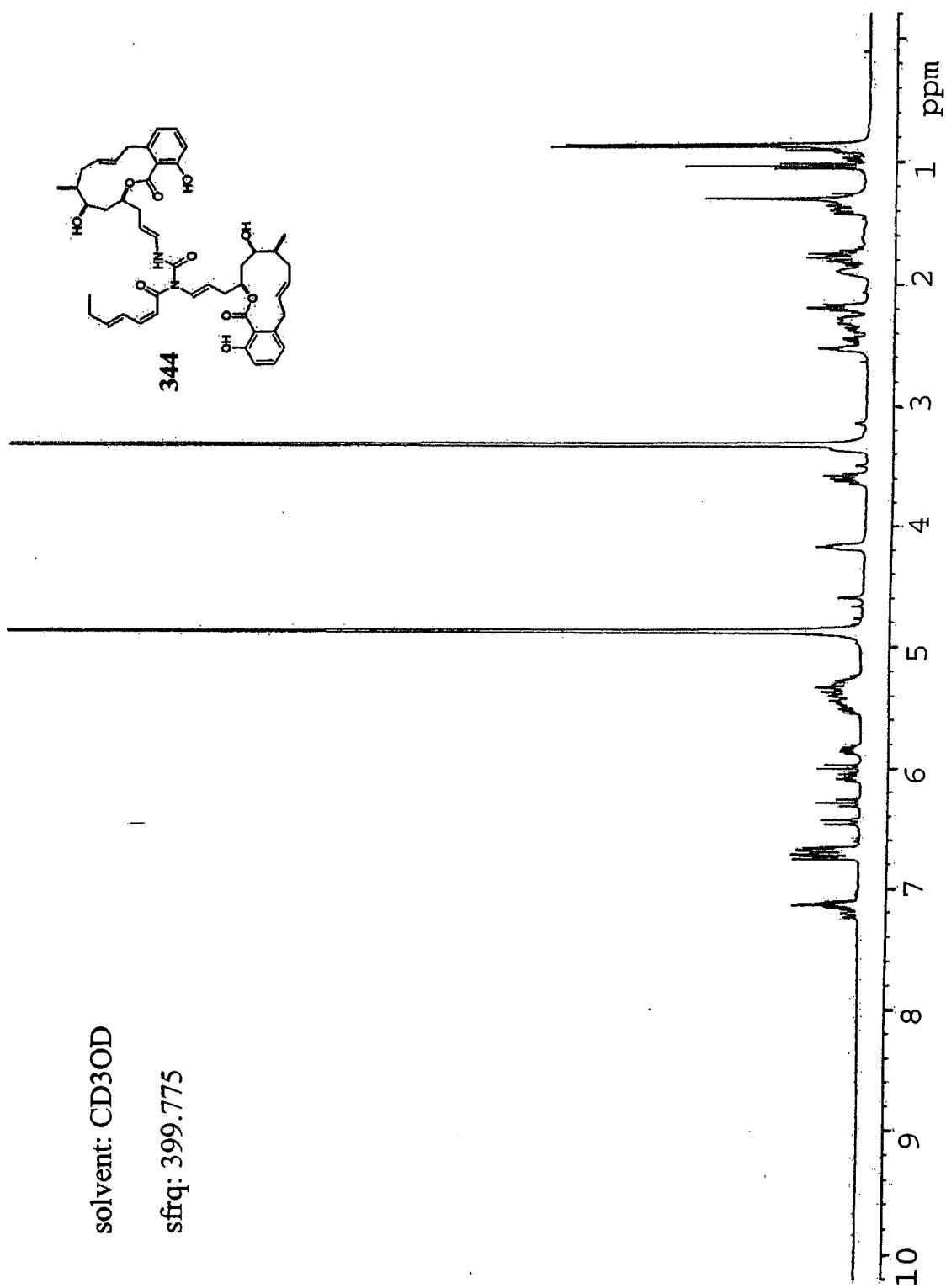
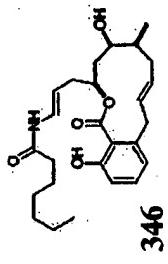


Fig. 33

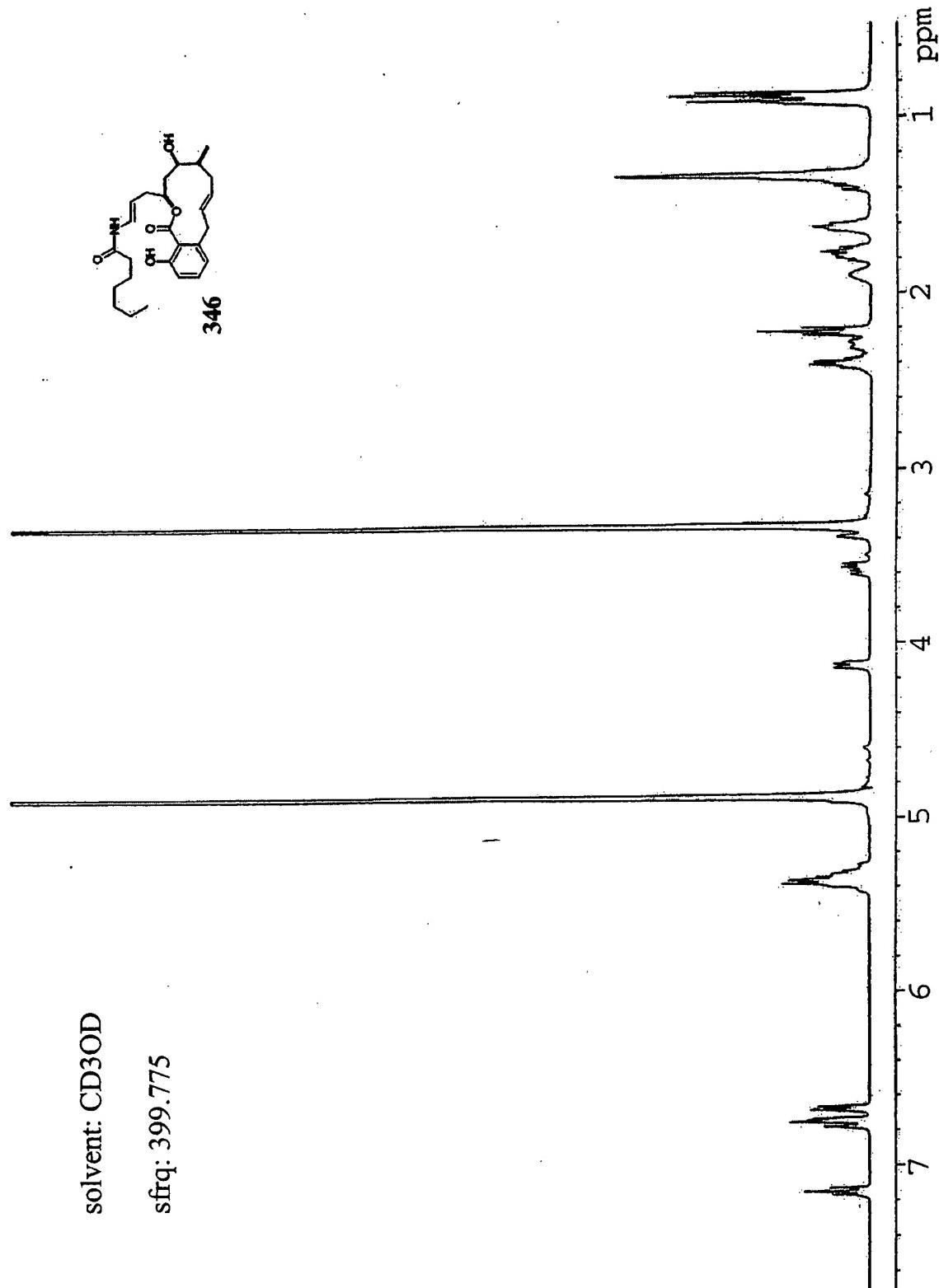
solvent: CD₃OD

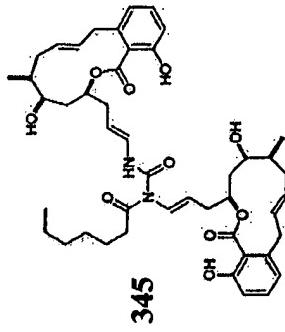
sfrq: 399.775



346

Fig. 34





solvent: CD3OD

sfrq: 399.775

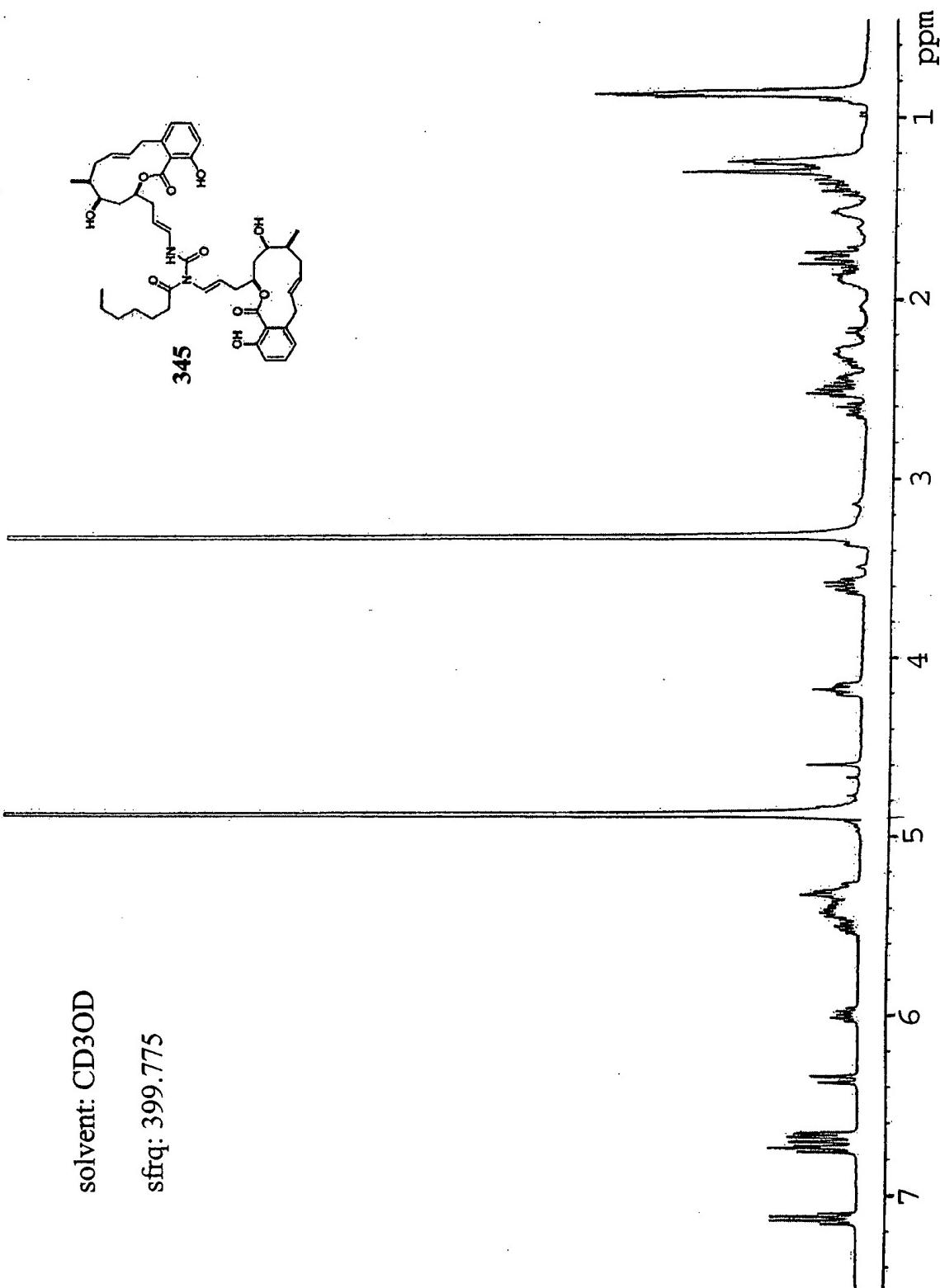
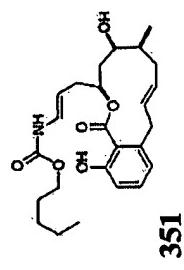


Fig. 35

solvent: CD3OD

sfrq: 399.775



351

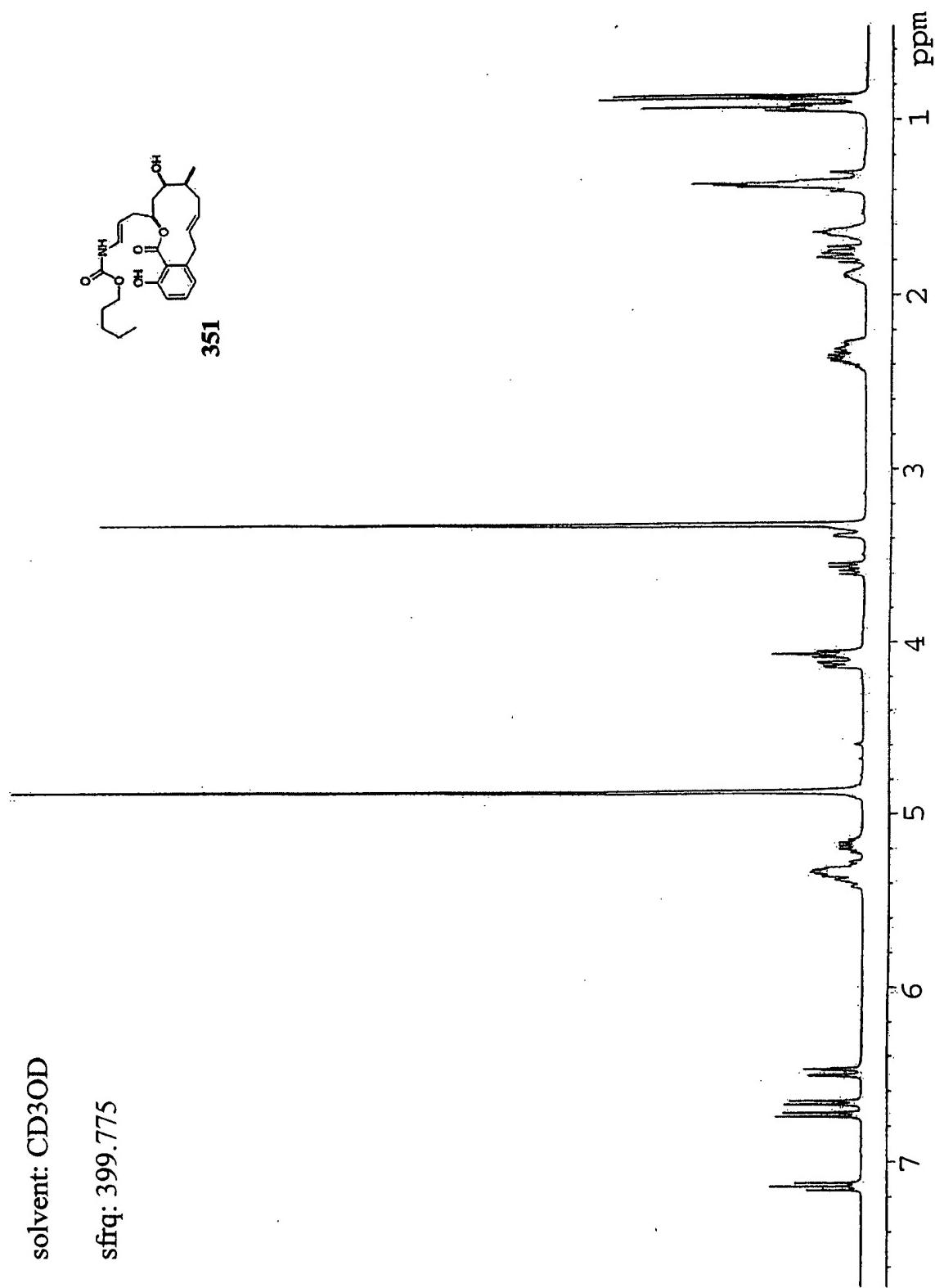


Fig. 36

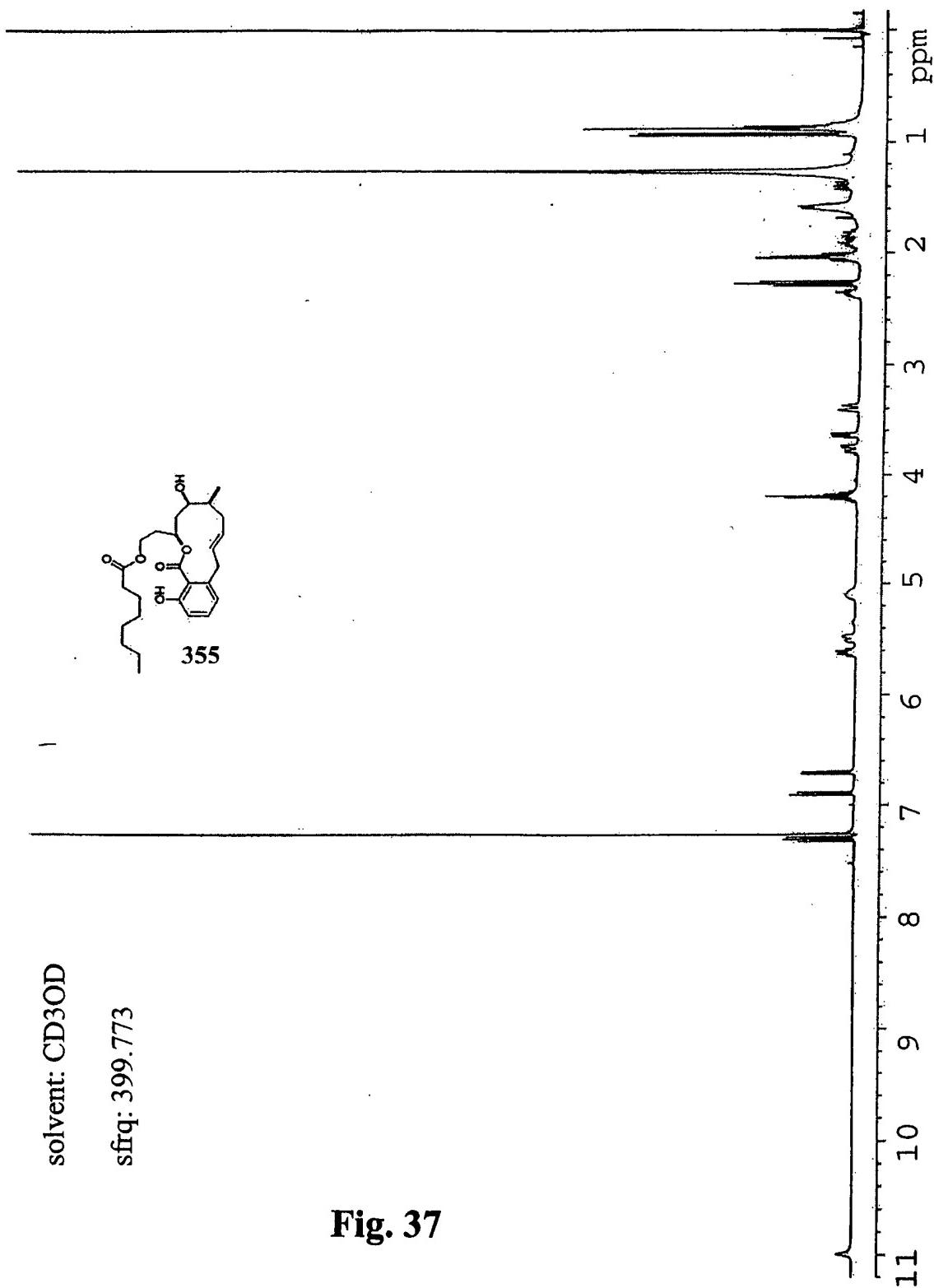


Fig. 37

solvent: CD₃OD

sfrq: 399.773

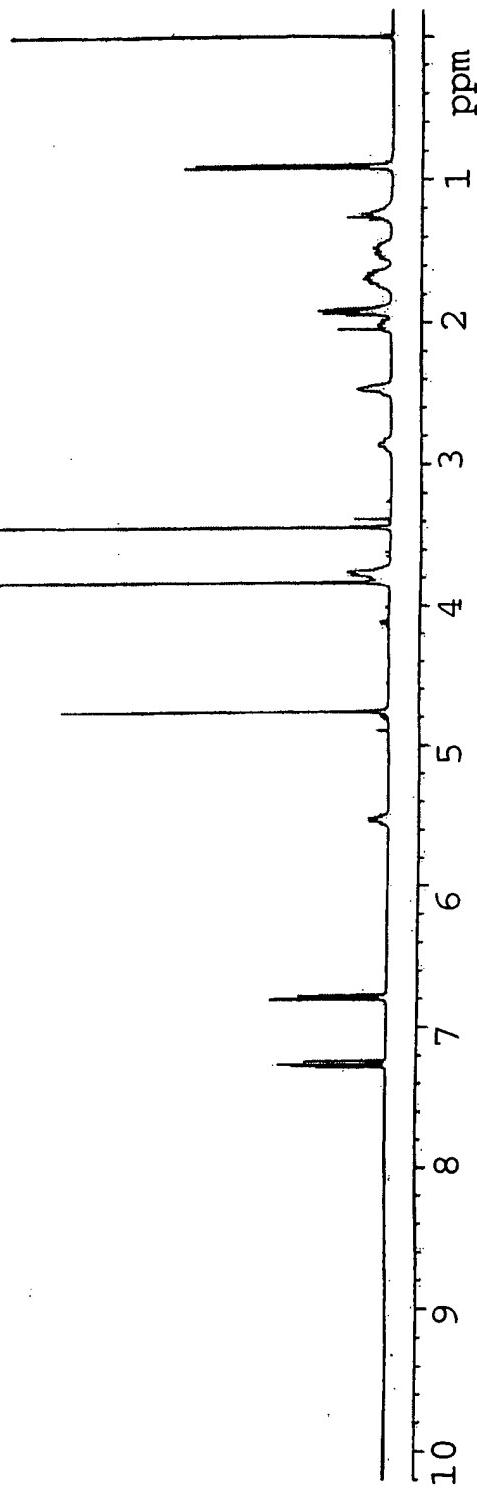
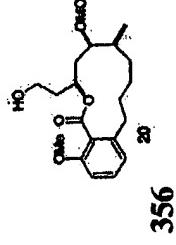


Fig. 38

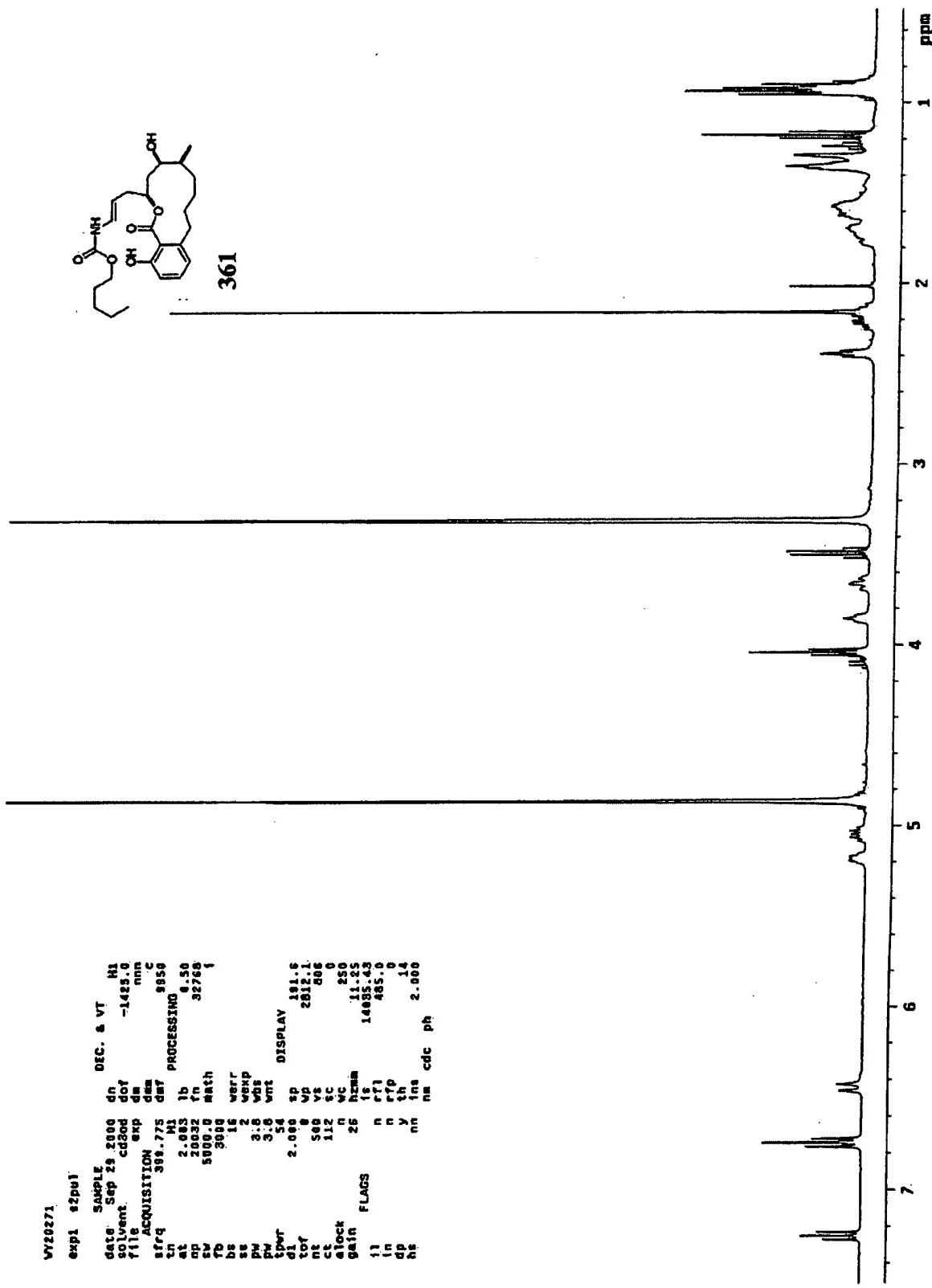


Fig. 39

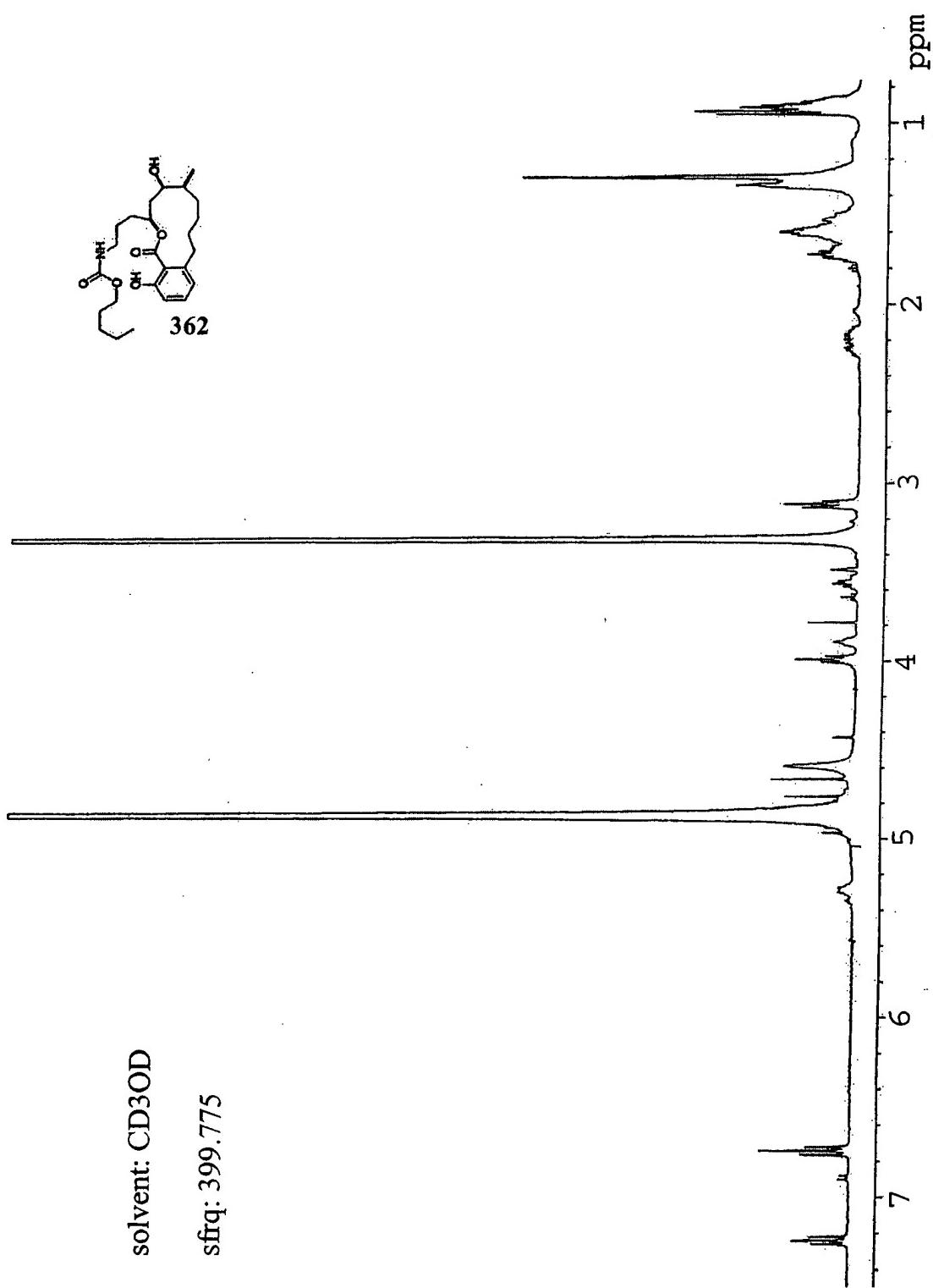


Fig. 40